

AREA CHART COVERAGE







Warning: Refer to current foreign charts and flight information publications for information within foreign airspace

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St Louis
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A-1

UNITED STATES GOVERNMENT FLIGHT INFORMATION PUBLICATION IFR AREA CHARTS - U.S.

For use up to but not including 18,000' MSL

HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

EFFECTIVE 0901Z **29 JUL 2010**

TO 0901Z **23 SEP 2010**

Consult NOTAMs for latest information

PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE
SPECIFICATIONS AND AGREEMENTS APPROVED BY
DEPARTMENT OF DEFENSE ★ FEDERAL AVIATION ADMINISTRATION

Consult ENROUTE CHARTS for LEGEND information

MILITARY TRAINING ROUTES

NUMBER	ALTITUDE RANGE	AREA	NUMBER	ALTITUDE RANGE	AREA
IR-18	5000 TO 7000	Jacksonville	VR-163	500 AGL TO 3000	Dallas/Fort Worth
IR-32	5000 TO 7000	Jacksonville	VR-223	500 AGL TO 9000	Phoenix
IR-33	500 AGL TO 6000	Jacksonville	VR-231	100 AGL TO 7000	Phoenix
IR-103	100 AGL TO 5000	Dallas/Fort Worth	VR-239	300 AGL TO 9500	Phoenix
IR-105	100 AGL TO 7000	Dallas/Fort Worth	VR-241	300 AGL TO 9500	Phoenix
IR-139	100 AGL TO 6000	Dallas/Fort Worth	VR-242	300 AGL TO 9000	Phoenix
IR-207	200 AGL TO 15000	San Francisco	VR-243	300 AGL TO 9500	Phoenix
IR-415	300 AGL TO 8000	Denver	VR-244	300 AGL TO 9000	Phoenix
IR-614	500 AGL TO 8000	St Louis	VR-245	300 AGL TO 9000	Phoenix
IR-714	SURFACE TO 6000	Washington	VR-267	300 AGL TO 6000	Phoenix
IR-720	5000 TO 8000	Washington	VR-268	300 AGL TO 6000	Phoenix
IR-760	SURFACE TO 6000	Washington	VR-269	300 AGL TO 6000	Phoenix
VR-104	300 AGL TO 10000	Dallas/Fort Worth	VR-704	100 AGL TO 11000	Washington
VR-118	500 AGL TO 15500	Dallas/Fort Worth	VR-705	100 AGL TO 10000	Washington
VR-142	500 AGL TO 4000	Dallas/Fort Worth	VR-708	100 AGL TO 5500	Washington
VR-158	500 AGL TO 5000	Dallas/Fort Worth			

ATTENTION

THIS CHART CONTAINS OFF ROUTE OBSTRUCTION CLEARANCE ALTITUDES (OROCA).

The off route obstruction clearance altitudes shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The OROCA is based on information available concerning the highest known features in each quadrangle, including terrain and obstructions. OROCA provides obstruction clearance with a 1000 foot buffer in designated non-mountainous areas and a 2000 foot buffer in designated mountainous areas within the United States. This altitude is provided for obstruction clearance only. It does not provide for NAVAID signal coverage or communication coverage, and would not be consistent with altitudes assigned by Air Traffic Control.

12⁵

Example: 12,500 feet

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT

FOR RECOMMENDATIONS REGARDING FORMAT AND CONTENT CONTACT:

FAA, Aeronautical Information Services, AJR-321
800 Independence Ave., S.W.,
Washington, D.C. 20591
Online at <http://nfdc.faa.gov>
Email 9-AWA-ATOR-AIS-feedback@faa.gov
Telephone 1 866 295 8236

FOR PROCUREMENT CONTACT:

FAA, National Aeronautical Navigation Services
Distribution Team, ATO-W
10201 Good Luck Road
Glenn Dale, MD 20769-9700
Online at <http://AERONAV.FAA.GOV>
Email 9-AMC-Chartsales@faa.gov
Tel. 1-800-638-8972 Fax 301-436 6829
or any authorized chart agent

FOR CHARTING ERRORS CONTACT:

FAA, National Aeronautical Navigation Services, ATO-W
SSMC-4, Sta. # 4259
1305 East-West Highway
Silver Spring, MD 20910 3281
Telephone 1-800-626-3677
Email 9-AMC-Aerachart@faa.gov

MILITARY

For Corrections Information, See Chapter 11 of General
Planning (GP). For Procurement refer to DOD Catalog of
Aeronautical Charts and Flight Information Publications.

Frequently asked questions (FAQ) are answered on our web site at <http://AERONAV.FAA.GOV>
See the FAQs prior to contact via toll free number or email.



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FAA Product ID: AREA



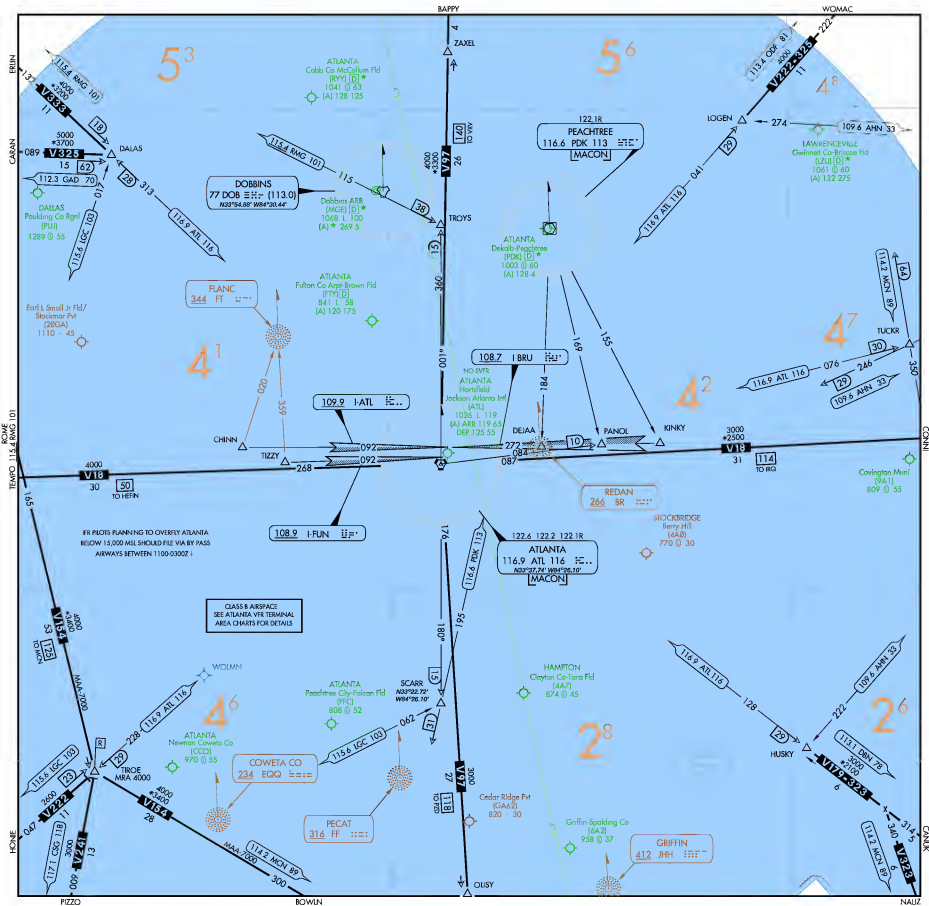
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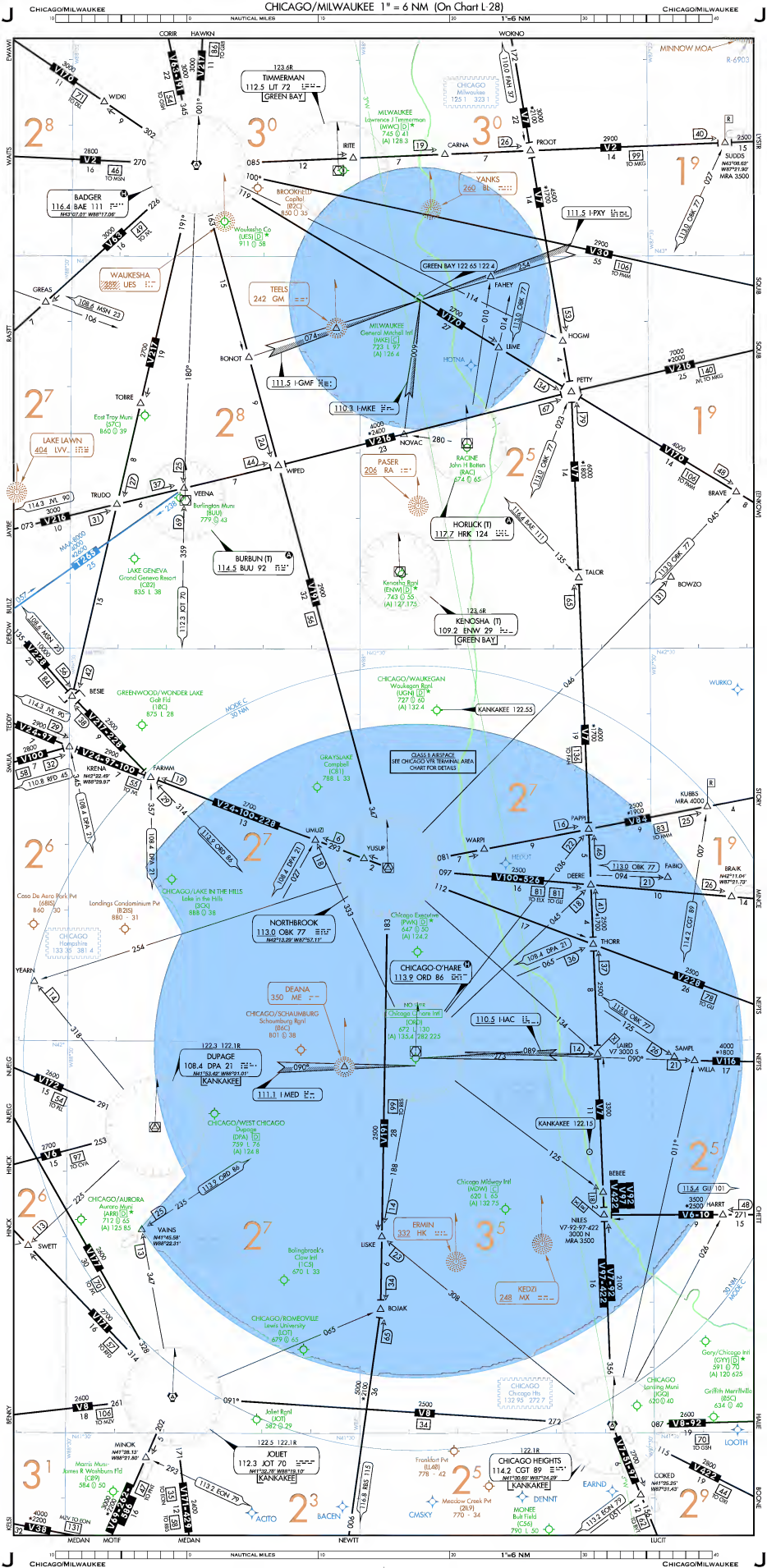
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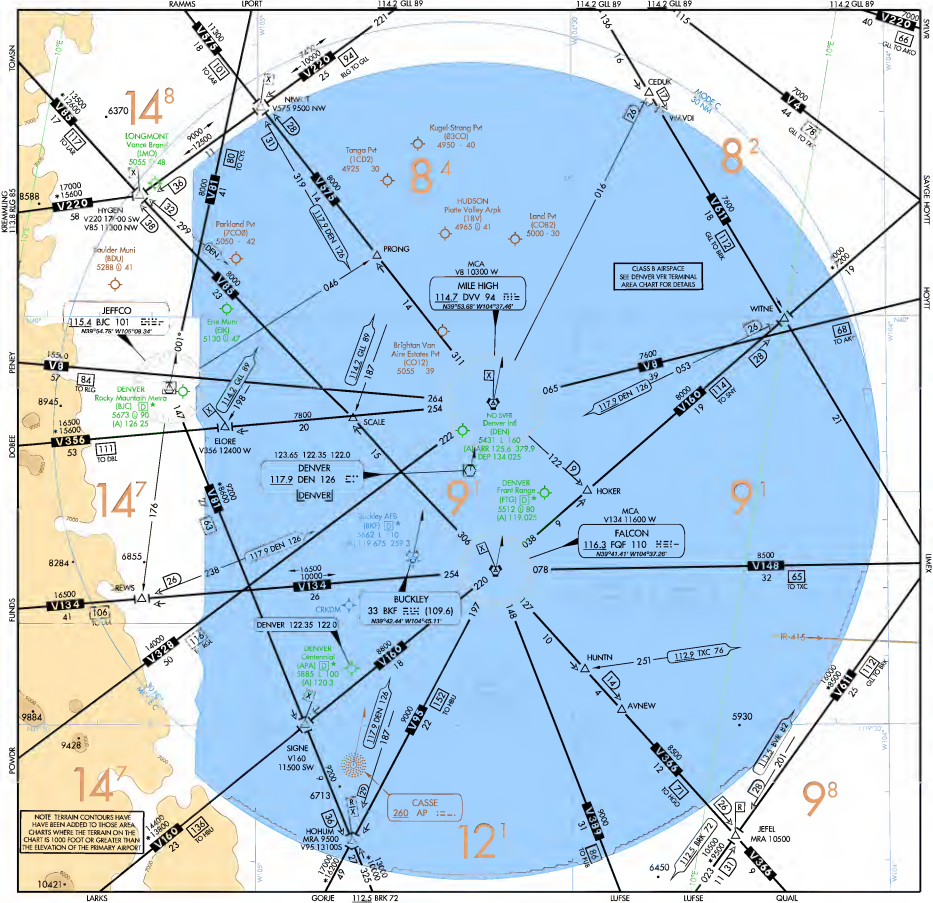
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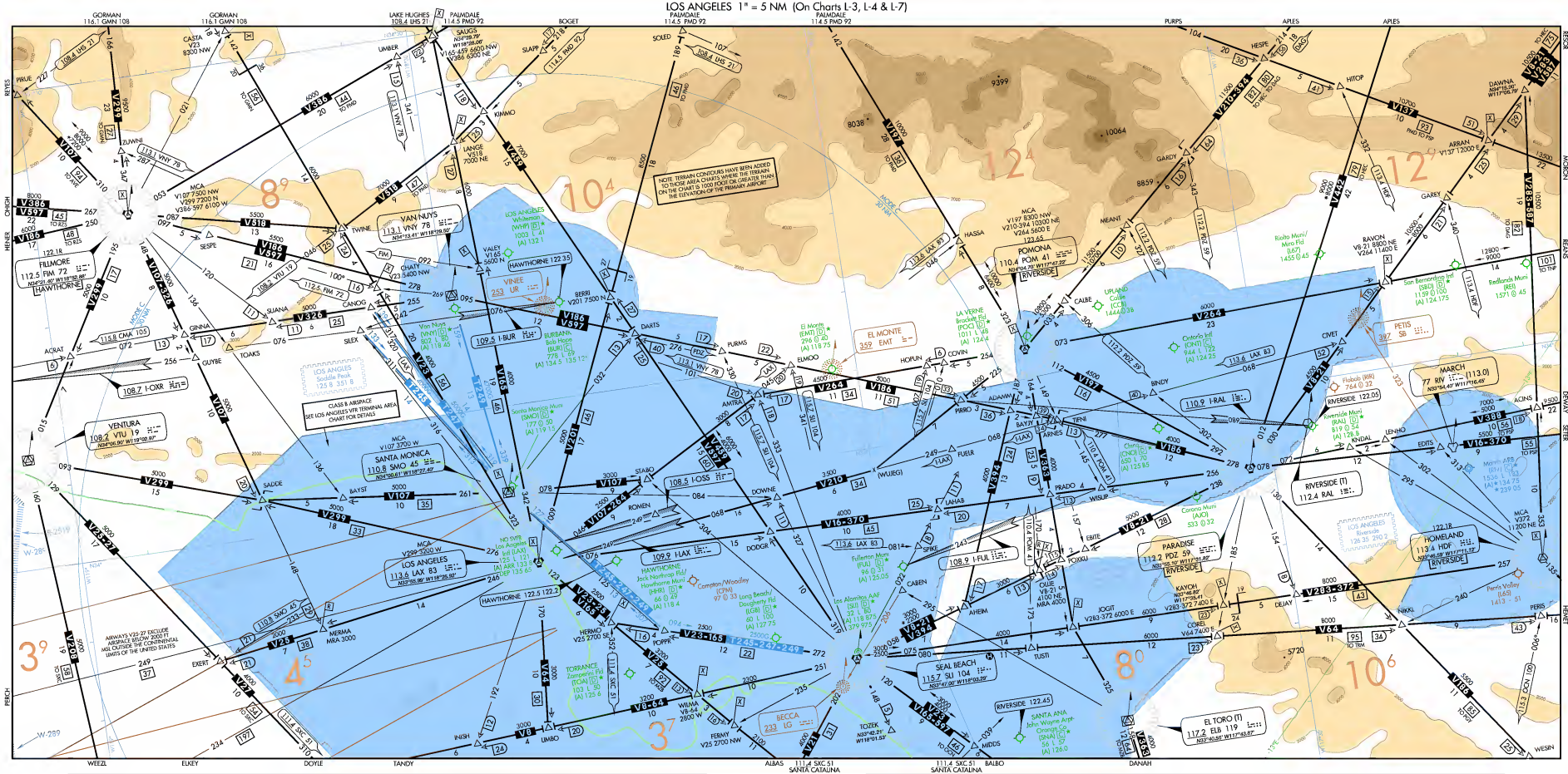


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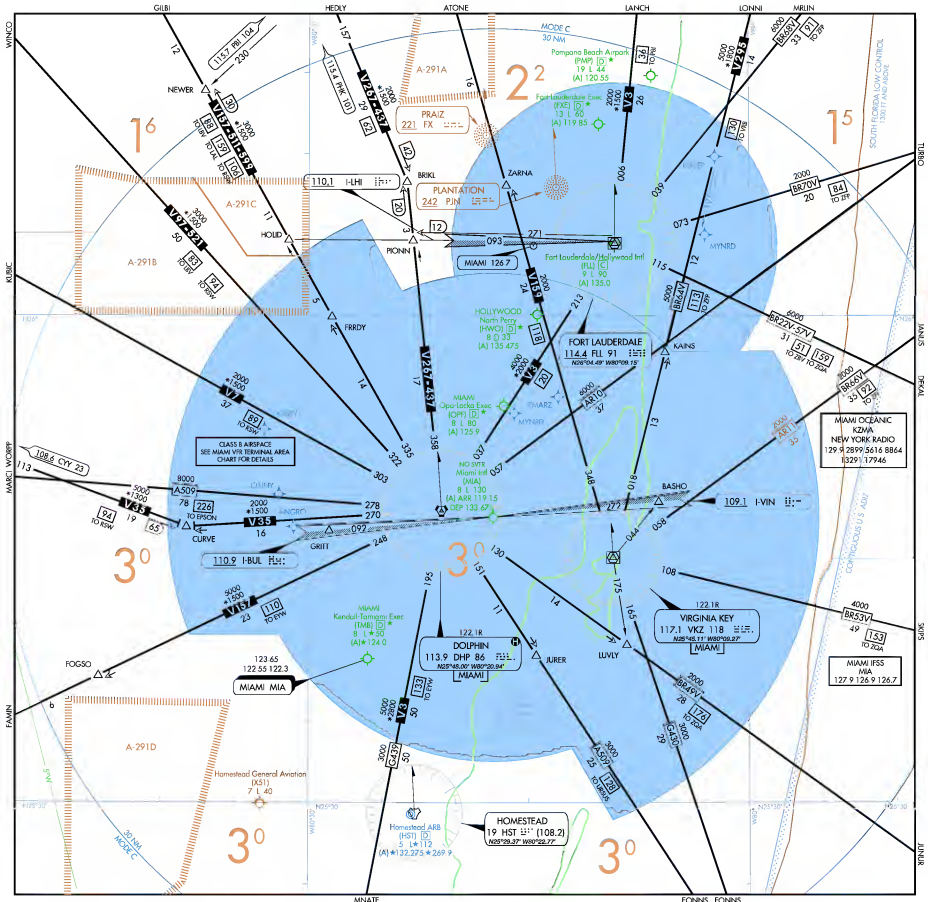


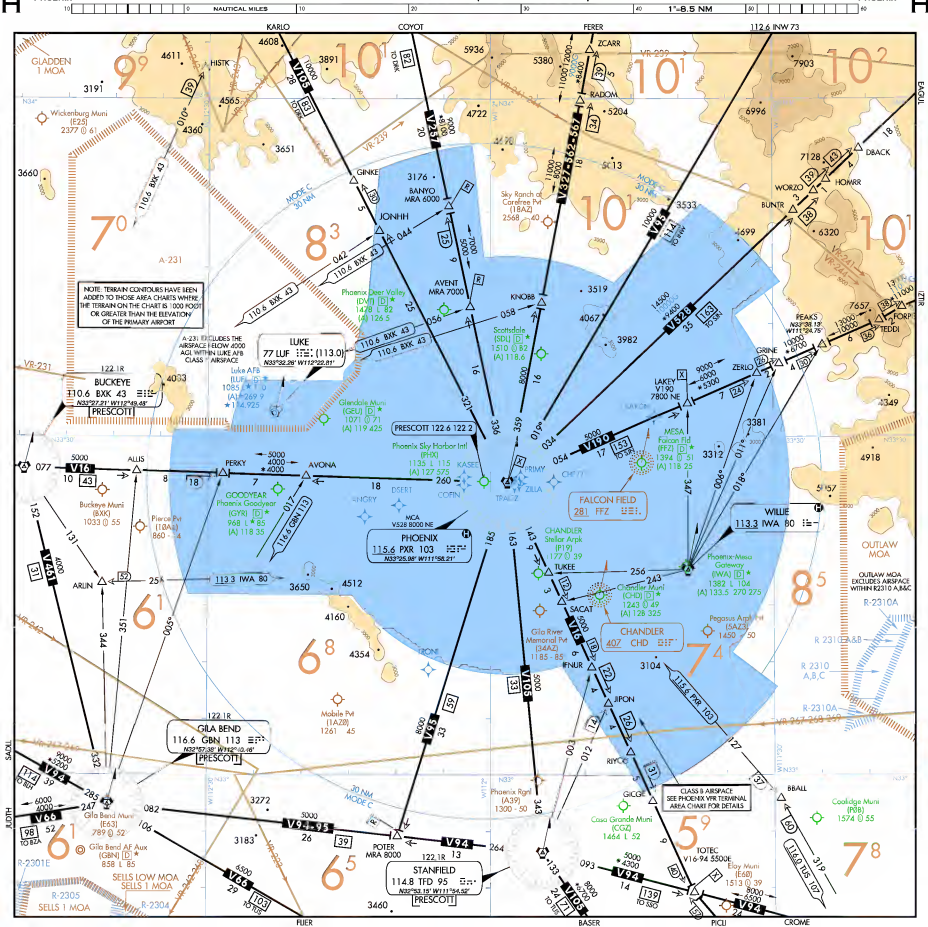


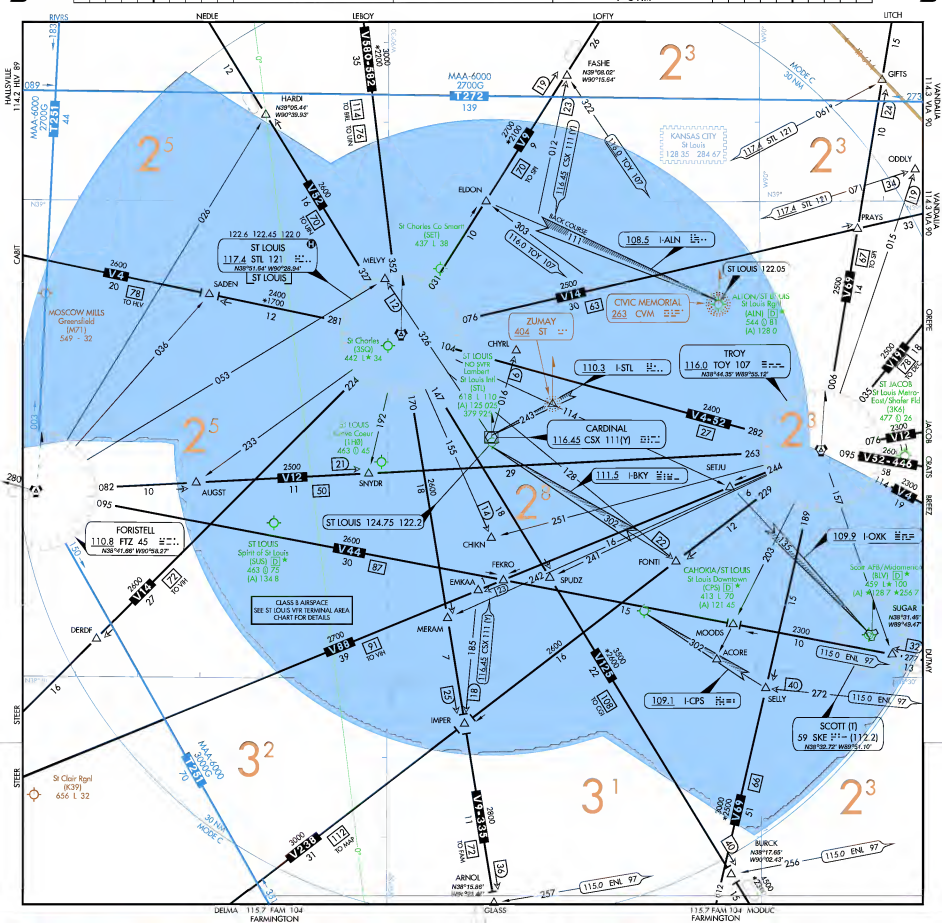


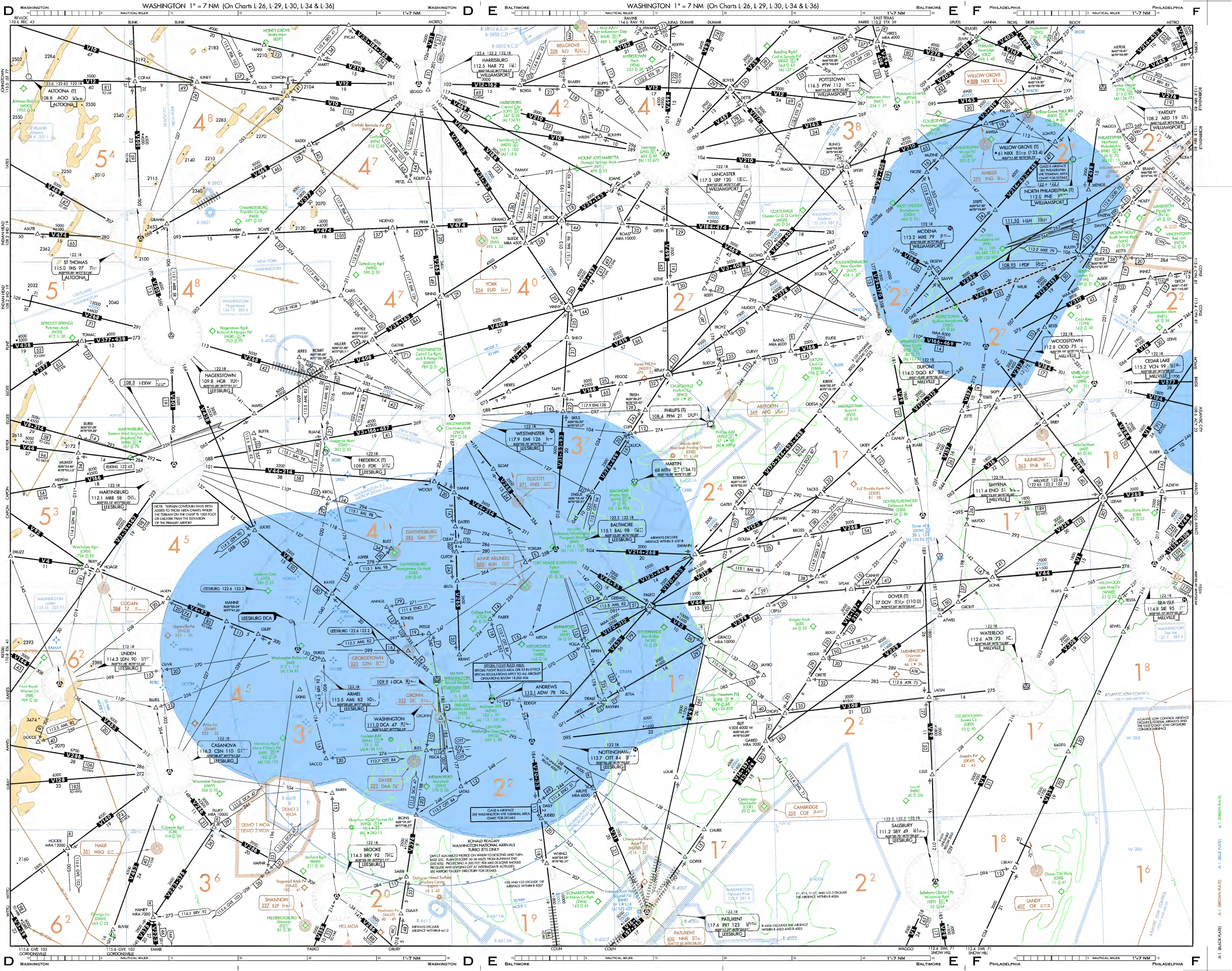


MIAMI 1° = 6 NM (On Chart L-23)









ARTCC three letter identifiers Albuquerque ZAB, Atlanta ZTL, Chicago ZAU, Cleveland ZOB, Denver ZDV, Fort Worth ZFW, Jacksonville ZJX, Kansas City ZKC, Los Angeles ZLA, Miami ZMA, Minneapolis ZMP, Oakland ZOA, Washington ZDC

A - Alert, P - Prohibited, R - Restricted, W - Warning Areas

All altitudes are MSL unless otherwise indicated
FL - Flight Level
Time - Hours shown are UTC unless otherwise indicated
Days - Sunrise to Sunset except Canada where it means 1/2 hr before sunrise to 1/2 hr after sunset
Nights - Sunset to Sunrise except Canada where it means 1/2 hr after sunset to 1/2 hr before sunrise

Cont - Continuous: 24 hrs a day, 7 days a week
† - During periods of Daylight Saving Time (DST) effective hours will be one hour earlier than shown.
NOTAM - Use of this term in Restricted Areas indicates FAA and DoD NOTAM systems. Use of this term in all other Special Use areas indicates the DoD NOTAM system.

SPECIAL USE AIRSPACE

NUMBER	EFFECTIVE ALTITUDE	TIMES USED, UTC			CONTROLLING AGENCY A/G CALL	PANEL
		DAYS	HOURS	WEATHER		
CHICAGO						
R 6903	To FL 450	Intermittent	By NOTAM	VFR IFR	ZMP CNTR/FSS	A
DALLAS/FORT WORTH						
P 49	To 2000	Cont	Cont	VFR IFR	No A/G	H
JACKSONVILLE						
P 50	To But Not Including 3000	Cont	Cont	VFR IFR	No A/G	D
R 2904A	To But Not Including 1800	Apr-Aug Cont *1 Sep-Mar Sat-Sun *1	1300-2200Z† 1300-2200Z†	VFR IFR	JACKSONVILLE TRACON	D
W 158E	To 1200	Intermittent	By NOTAM	VFR IFR	JACKSONVILLE TRACON	D
W 158F	1200 To 1700	Intermittent	By NOTAM	VFR IFR	JACKSONVILLE TRACON	D
LOS ANGELES						
R 2519	Unltd	Cont	Cont	VFR IFR	ZLA CNTR/FSS	G
W 289	Unltd	Intermittent	By NOTAM	VFR IFR	ZLA CNTR/FSS	G
MIAMI						
A 291A	To 2500	Days	1100-0500Z†	VFR	No A/G	D
A 291B	To 3900	Days	1100-0500Z†	VFR	No A/G	D
A 291C	To 2500	Days	1100-0500Z†	VFR	No A/G	D
A 291D	To 3900	Days	1100-0500Z†	VFR	No A/G	D
PHOENIX						
R 2301E	To FL 800	Cont *1	1300-0700Z	VFR IFR	ZAB CNTR/FSS	F
R 2304	To FL 240	Mon-Sat *1	1300-0700Z	VFR IFR	ZAB CNTR/FSS	F
R 2305	To FL 240	Mon-Sat *1	1300-0700Z	VFR IFR	ZAB CNTR/FSS	F
R 2310A	To 10000	Intermittent	By NOTAM	VFR	ZAB CNTR/FSS	F
R 2310B	10000 To 17000	Intermittent	By NOTAM	VFR	ZAB CNTR/FSS	F
R 2310C	17000 To 35000	Intermittent	By NOTAM	VFR	ZAB CNTR/FSS	F
A 231	500 AGL To 6500	Cont	Cont	VFR IFR	No A/G	F
SAN FRANCISCO						
A 682	To 6000 N of Line To 3000 S of Line	Mon-Fri	1600-0500Z†	VFR IFR	No A/G	E
WASHINGTON						
P 40	To But Not Including 5000	Cont	Cont	VFR IFR	No A/G	D
P 56	To 18000	Cont	Cont	VFR IFR	No A/G	D
P 73	To But Not Including 1500	Cont	Cont	VFR IFR	No A/G	D
R 4001A	Unlimited To 10000 Higher By NOTAM	Cont Cont By NOTAM	1200-0500Z† 0500-1200Z† By NOTAM	VFR IFR	ZDC CNTR/FSS	E
R 4001B	To 10000 Higher By NOTAM	Intermittent By NOTAM	Intermittent By NOTAM	VFR IFR	ZDC CNTR/FSS	E
R 4002	To 20000	Cont *1	Sunrise to 0500Z†	VFR IFR	ZDC CNTR/FSS	E
R 4005	To But Not Including FL 250	Cont *1	1200-0400Z†	VFR IFR	ZDC CNTR/FSS	E
R 4006	3500 To But Not Including FL 250	Cont *1	1200-0400Z†	VFR IFR	ZDC CNTR/FSS	E
R 4007	To But Not Including 5000	Cont *1	1200-0400Z†	VFR IFR	ZDC CNTR/FSS	E
R 4009	5000 To 12500	Cont	Cont	VFR IFR	ZDC CNTR/FSS	D
R 5801	To 4000	Mon-Fri	1300-2100Z†	VFR IFR	No A/G	D
R 5802A	200 AGL To 5000	2/15-5/10 9/1-12/15 Sat Sun 5/11-8/31 Sat Sun-Fri *1	1300-0400Z† 1300-1700Z† 1300-0500Z† 1300-0100Z†	VFR	ZNY CNTR/FSS	E
R 5802B	To 13000	2/15-5/10 9/1-12/15 Sat Sun 5/11-8/31 Sat Sun-Fri *1	1300-0400Z† 1300-1700Z† 1300-0500Z† 1300-0100Z†	VFR	ZNY CNTR/FSS	E
R 5802C	500 AGL To But Not Including 17000	2/15-5/10 9/1-12/15 Sat Sun 5/11-8/31 Sat Sun-Fri *1	1300-0400Z† 1300-1700Z† 1300-0500Z† 1300-0100Z†	VFR IFR	ZNY CNTR/FSS	E
R 5802D	17000 To But Not Including FL 220	2/15-5/10 9/1-12/15 Sat Sun 5/11-8/31 Sat Sun-Fri *1	1300-0400Z† 1300-1700Z† 1300-0500Z† 1300-0100Z†	VFR IFR	ZNY CNTR/FSS	E
R 5803	To 4000	Mon-Fri	1300-2100Z†	VFR IFR	No A/G	D
R 6608A C	To 10000	Cont *1	1000-0500Z†	VFR IFR	FAA, POTOMAC TRACON	D
R 6611A	To 40000	Mon-Fri *1	1300-2200Z†	VFR IFR	ZDC CNTR/FSS	D,E
R 6612	To 7000	Mon-Fri *1	1300-2200Z†	VFR IFR	ZDC CNTR/FSS	D
R 6613A	To 40000	Mon-Fri *1	1300-2200Z†	VFR IFR	ZDC CNTR/FSS	E
A 220	To 4500	Cont	1300-0300Z†	VFR	No A/G	F
W 386	Unltd	Intermittent	By NOTAM	VFR IFR	ZDC CNTR/FSS	F

*1 Other Times By NOTAM

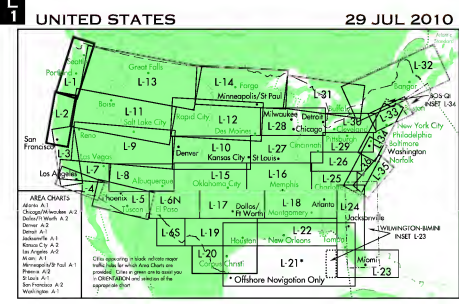
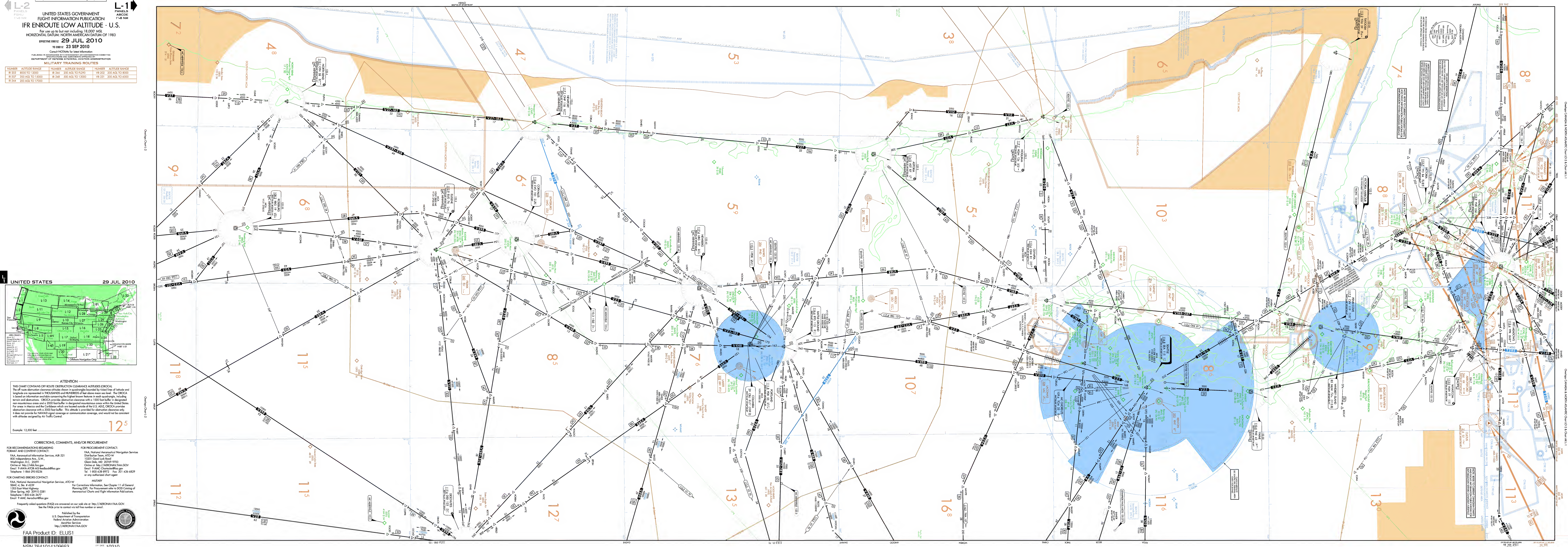
*2 To But Not Including FL 180

MILITARY OPERATIONS AREAS

NUMBER	EFFECTIVE ALTITUDE	TIMES USED, UTC			CONTROLLING AGENCY A/G CALL	PANEL
		DAYS	HOURS	WEATHER		
CHICAGO						
MINNOW	10000 *2	Intermittent By NOTAM	Normally Days	VFR IFR	ZAU CNTR/FSS	A
JACKSONVILLE						
MAYPORT HIGH	3000 *2	Intermittent	2300-0300Z	VFR IFR	ZJX CNTR/FSS	C
MAYPORT LOW	1500 To But Not Including 3000	Intermittent	1300-0300Z	VFR IFR	ZJX APP CON	C
PHOENIX						
GLADDEN 1	7000 or 5000 AGL Whichever is Higher *2	Mon-Fri *1	1300 0200Z	VFR IFR	ZAB CNTR/FSS	C
OUTLAW	8000 or 3000 AGL Whichever is Higher *2	Mon-Fri Mon-Fri Intermittent Weekends	1400-0100Z 0100-0300Z By NOTAM	VFR IFR	ZAB CNTR/FSS	F
SELLS 1	10000 *2	Mon-Fri *1	1300 0200Z	VFR IFR	ZAB CNTR/FSS	F
SELLS LOW	3000 AGL To But Not Including 10000	Mon-Fri *1	1300 0200Z	VFR IFR	ZAB CNTR/FSS	A
WASHINGTON						
DEMO 1	500 To 5000	Intermittent	By NOTAM	VFR IFR	FAA, POTOMAC TRACON	D
DEMO 2	10000 To 15000	Intermittent	By NOTAM	VFR IFR	FAA, POTOMAC TRACON	D
DEMO 3	Above 5000 To 15000	Intermittent	By NOTAM	VFR IFR	FAA, POTOMAC TRACON	D
HILL	To 3000	Cont	Days	VFR IFR	FAA POTOMAC APP	D

*1 Other Times By NOTAM

*2 To But Not Including FL 180



ATTENTION
The off route obstruction clearance altitude (ORCA) and the off route obstruction clearance (ORCA) is based on information available concerning the highest known features in each quadrant, including terrain and obstructions. ORCA provides obstruction clearance with a 1000 foot buffer in designated non-mountainous areas and a 2000 foot buffer in designated mountainous areas within the United States. For areas in Mexico and the Caribbean which are located outside of the U.S. AGL, ORCA provides obstruction clearance with a 2000 foot buffer. This altitude is provided for obstruction clearance only. It does not provide for NAVAID signal coverage or communication coverage, and would not be consistent with altitudes assigned by Air Traffic Control.

Example: 12,500 feet

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT
FOR RECOMMENDATIONS REGARDING: FAA, National Aeronautics and Space Administration, 1200 Independence Ave., S.W., Washington, D.C. 20510. Online at: <http://www.faa.gov>. Email: FAA-ATIS@faa.gov. Telephone: 1-866-252-8226. For Procurement Contact: FAA, National Aeronautics and Space Administration, 1200 Independence Ave., S.W., Washington, D.C. 20510. Online at: <http://www.faa.gov>. Email: FAA-ATIS@faa.gov. Telephone: 1-866-252-8226. For CHARTING ERRORS CONTACT: FAA, National Aeronautics and Space Administration, 1200 Independence Ave., S.W., Washington, D.C. 20510. Online at: <http://www.faa.gov>. Email: FAA-ATIS@faa.gov. Telephone: 1-866-252-8226. For Corrections Information: See Chapter 11 of General Planning (GP). For Procurement refer to DOD Catalog of Aeronautical Charts and Light Information Publications. Frequently asked questions (FAQs) are answered on our web site at <http://www.faa.gov>. See the FAQs prior to contact via toll free number or email. Published by the U.S. Department of Transportation Federal Aviation Administration. FAA Product ID: ELUS1. NSN 7641014109653. ENRXUSLCHT01.

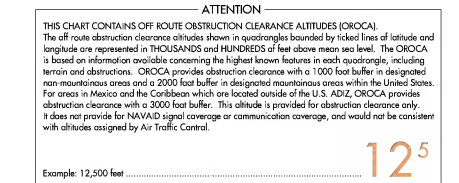
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AIRPORT LOCATIONS

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L-3 
PANELS
ABCDE
11-8 NM

MILITARY TRAINING ROUTES					
NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE
IR-200	500 AGL TO 12000	IR-216	200 AGL TO 7000	IR-425	500 AGL TO 12000
IR-203	8000 TO 12000	IR-217	200 AGL TO 7000	VR-249	3000 TO 5000
IR-207	200 AGL TO 15000	IR-218	500 AGL TO 6000	VR-288	SURFACE TO 3200
IR-211	200 AGL TO 8000	IR-236	200 AGL TO 14500	VR-289	SURFACE TO 4500
IR-212	200 AGL TO 8000	IR-250	SURFACE TO 8000	VR-296	SURFACE TO 4000
IR-213	200 AGL TO 8000	IR-252	SURFACE TO 8000	VR-299	300 AGL TO 4000
IR-214	200 AGL TO 8000	IR-255	SURFACE TO 7000		




FOR CHARTING ERRORS CONTACT:


FAA, National Aeronautical Navigation Services, ATO-W
SSMC-4, Sta. # 4259
1305 East-West Highway
Silver Spring, MD 20910-3281
Telephone 1-800-626-3677
Fmail: 9.AMC.Awarbort@faa.gov

MILITARY

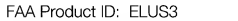
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 * See the FAQs prior to contact so we toll free number or email.

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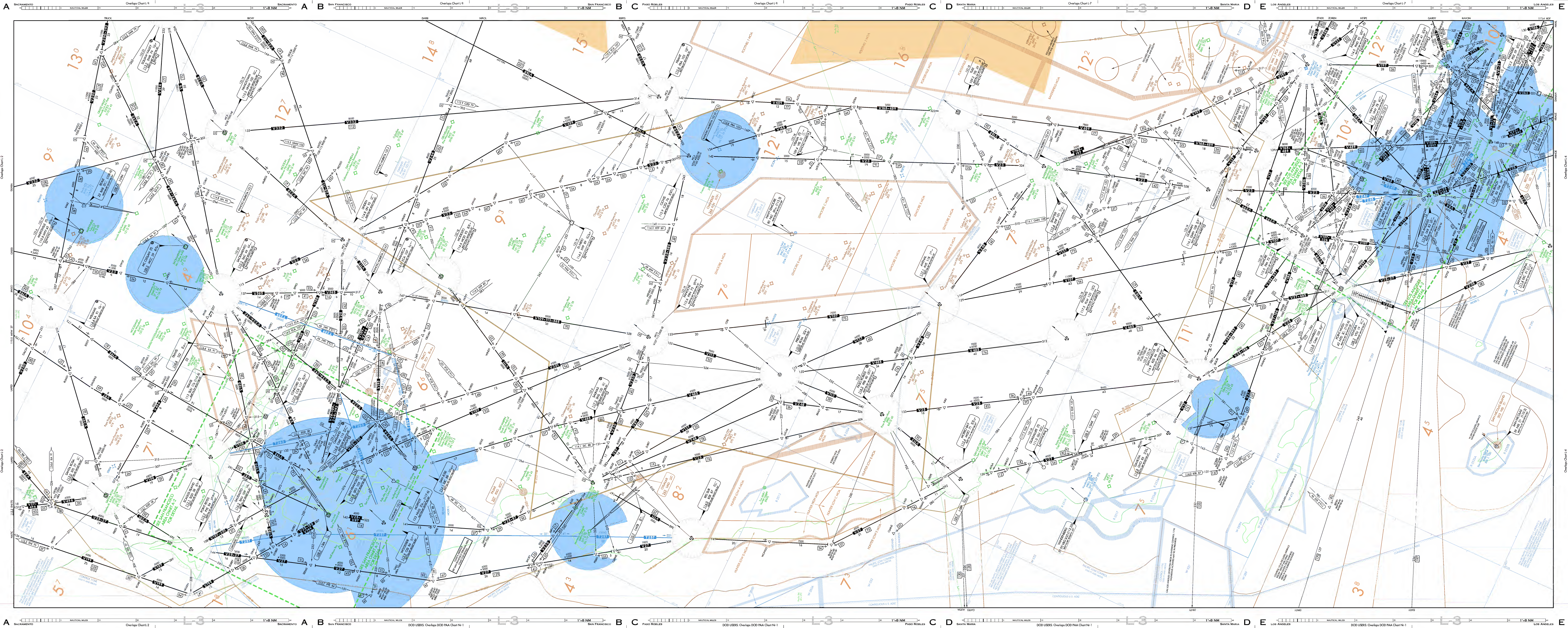


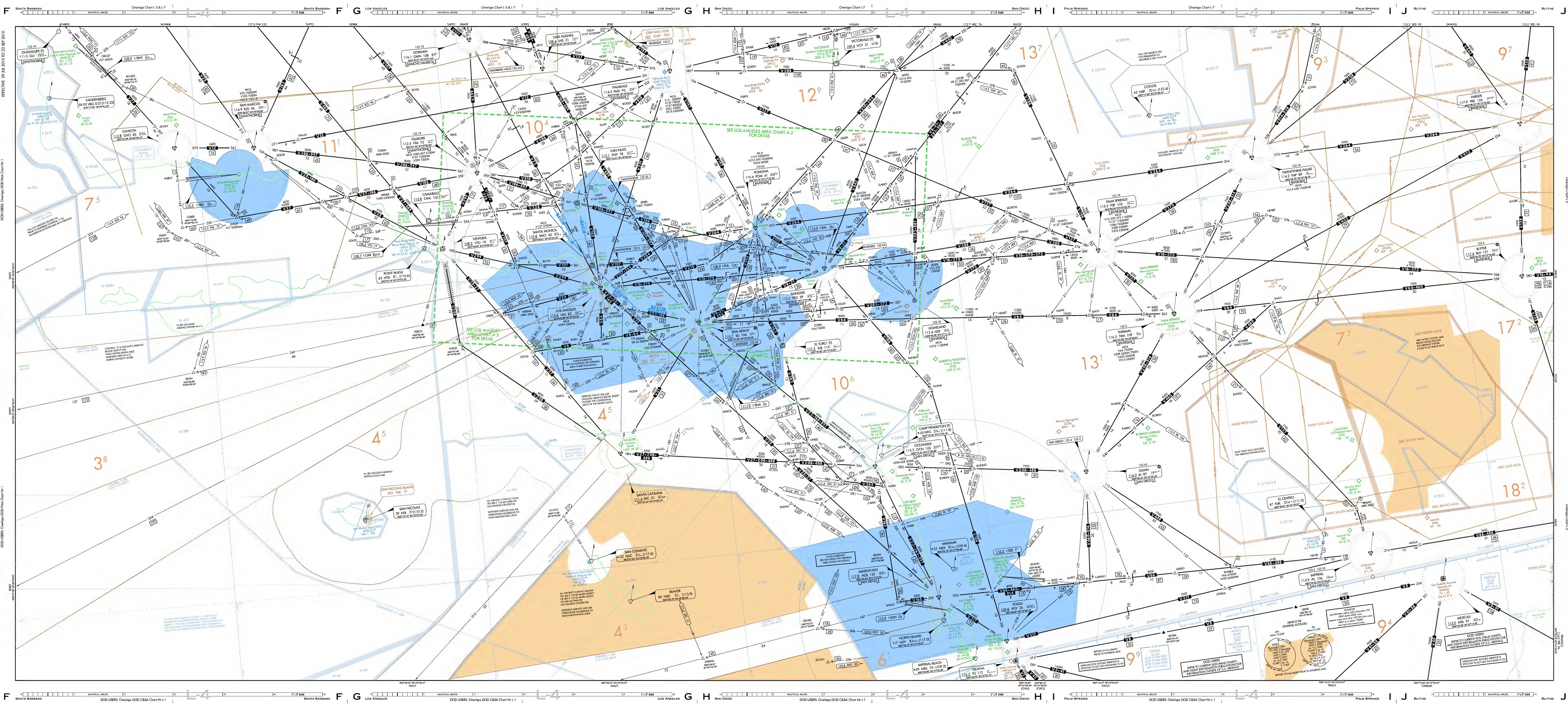
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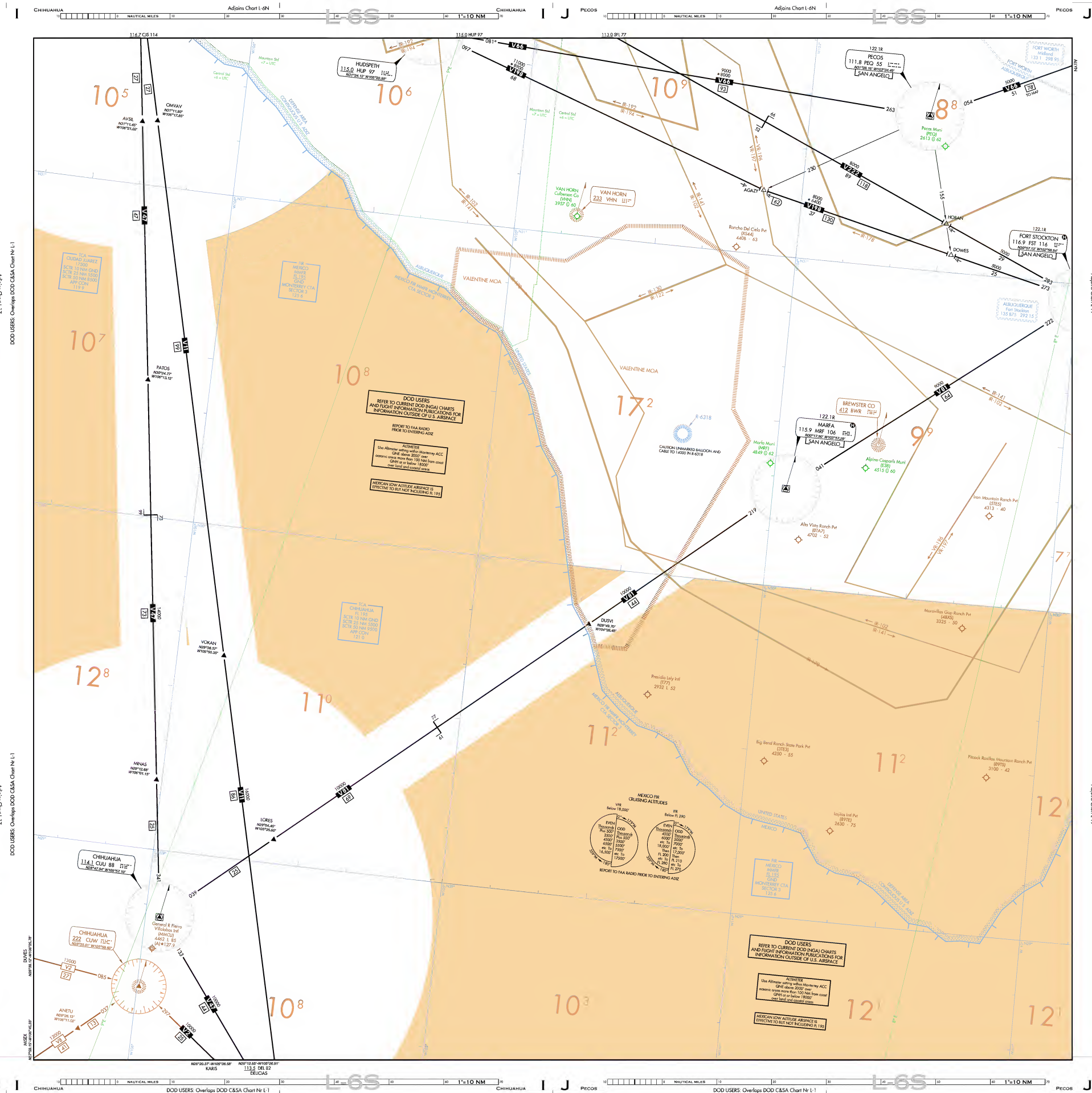
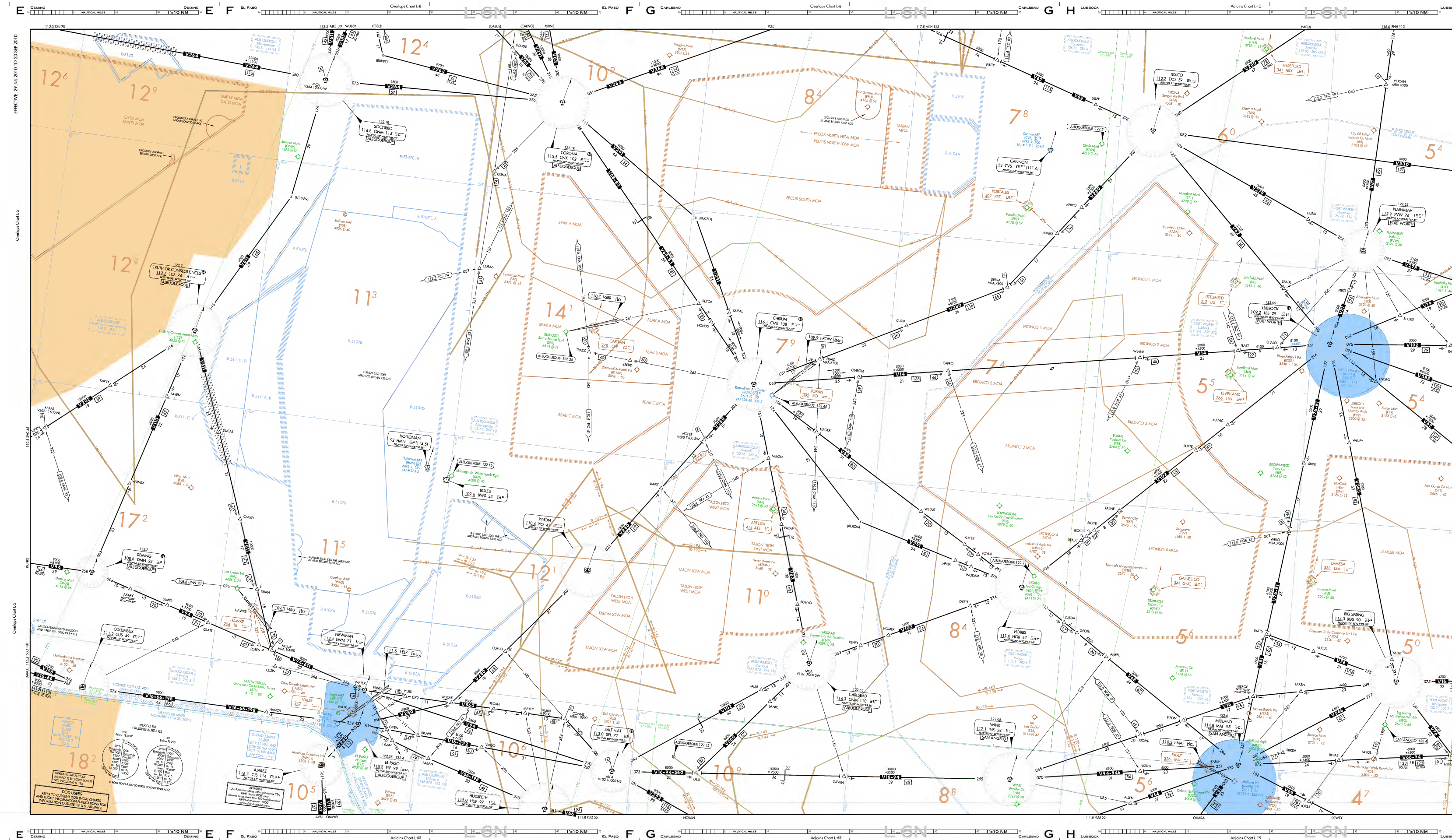
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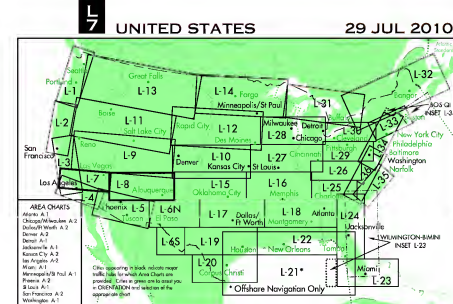


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<p align="center">Consent NOTAM for the following:</p> <p align="center">PUBLISHED AND AGREED TO BY THE CHIEF OF THE MISSOURI DEPARTMENT OF TRANSPORTATION</p> <p align="center">FOR THE PURPOSES OF THE MISSOURI DEPARTMENT OF TRANSPORTATION</p> <p align="center">MILITARY TRAINING ROUTES</p>					
NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE
R-109	100 AGL to 16000	R-216	200 AGL TO 7000	V-231	100 AGL TO 7000
R-110	100 AGL TO 16000	R-217	200 AGL TO 7000	V-232	100 AGL TO 7000
R-111	100 AGL TO 16000	R-218	200 AGL TO 7000	V-233	100 AGL TO 7000
R-112	SURFACE TO 10000	R-219	200 AGL TO 14500	V-241	300 AGL TO 7000
R-113	100 AGL TO 1500	R-220	SURFACE TO 8000	V-242	300 AGL TO 7000
R-126	SURFACE TO 10200	R-225	SURFACE TO 8000	V-243	300 AGL TO 7000
R-133	100 AGL TO 10000	R-234	200 AGL TO 10000	V-244	300 AGL TO 7000
R-137	SURFACE TO 30000	R-368	400 AGL TO 17000	V-245	300 AGL TO 7000
R-142	100 AGL TO 12000	R-304	SURFACE TO 30000	V-249	300 AGL TO 7000
R-200	500 AGL TO 10000	R-350	150 AGL TO 10200	V-289	SURFACE TO 4500
R-201	500 AGL TO 10000	R-351	150 AGL TO 10200	V-294	300 AGL TO 4500
R-211	200 AGL TO 8000	V-100	SURFACE TO 12500	V-299	300 AGL TO 4000
R-212	200 AGL TO 8000	V-122	SURFACE TO 12500	V-310	300 AGL TO 17000
R-213	200 AGL TO 8000	V-123	100 AGL TO 1500 AGL		
R-214	200 AGL TO 8000				



ATTENTION

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12⁵

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT

**FOR RECOMMENDATIONS REGARDING
FORMAT AND CONTENT CONTACT:**

FAA, Aerospace Information Services, AIR-321
800 Independent Ave., S.W.,
Washington, D.C. 20591
Online at: <http://nids.faa.gov>
E-mail: 9-AWA-ATOR-AISfeedback@faa.gov
Telephone: 1-866-295-8236

FOR PROCUREMENT CONTACT:

FAA, National Aeronautics Navigation Servi-
ces Division Team, ATD-100
10201 Good Luck Road
Glenn Dale, MD 20769-9700
Online at: <http://AERONAV.FAA.GOV>
E-mail: 9-AWC-Charterless@faa.gov
Tel: 1-800-638-8902 Fax: 301-436-6829


FOR CHARTING ERRORS CONTACT:

FAA, National Aeronautical Navigation Services, ATO W
SSMC-4, Ste. # 4259
1305 East-West Highway
Silver Spring, MD 20910-3281
Telephone 1-800-626-3677
Email: 9 AWC Aerachart@faa.gov

MILITARY

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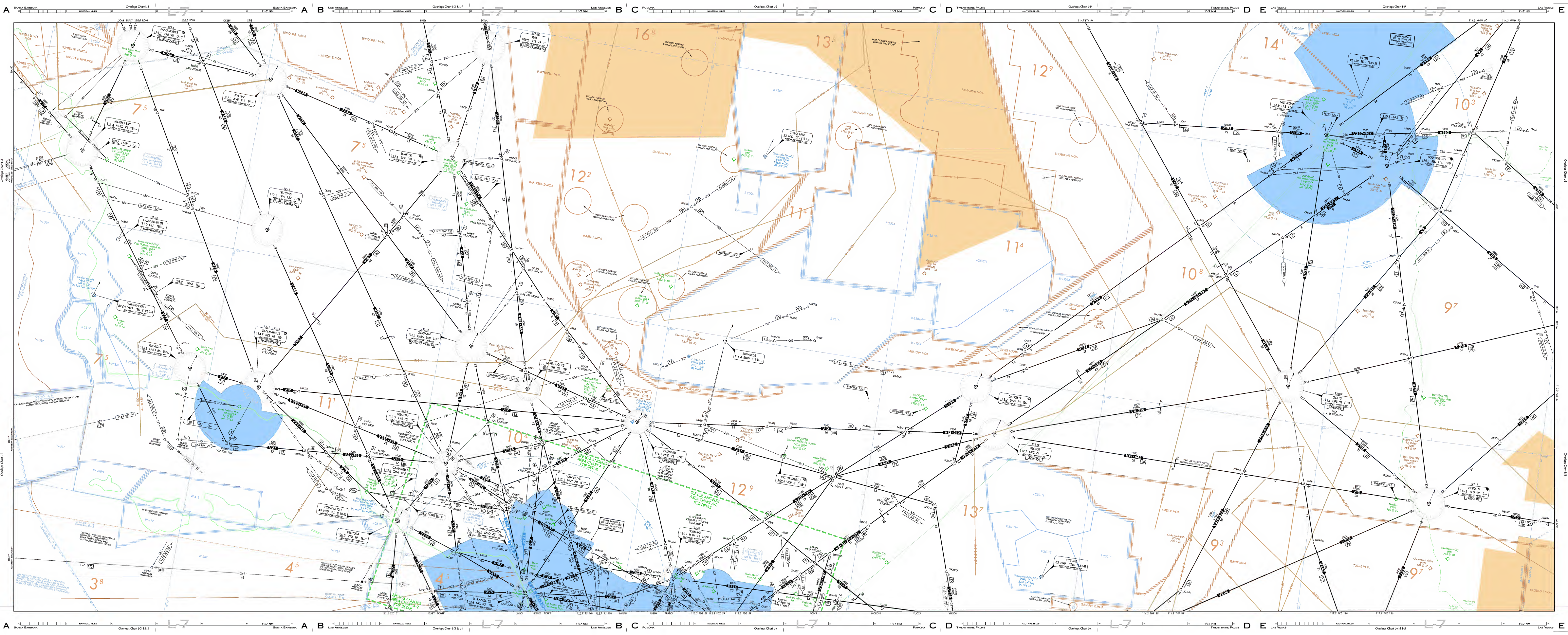

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 Federal Aviation Administration
 Aeronautics Services
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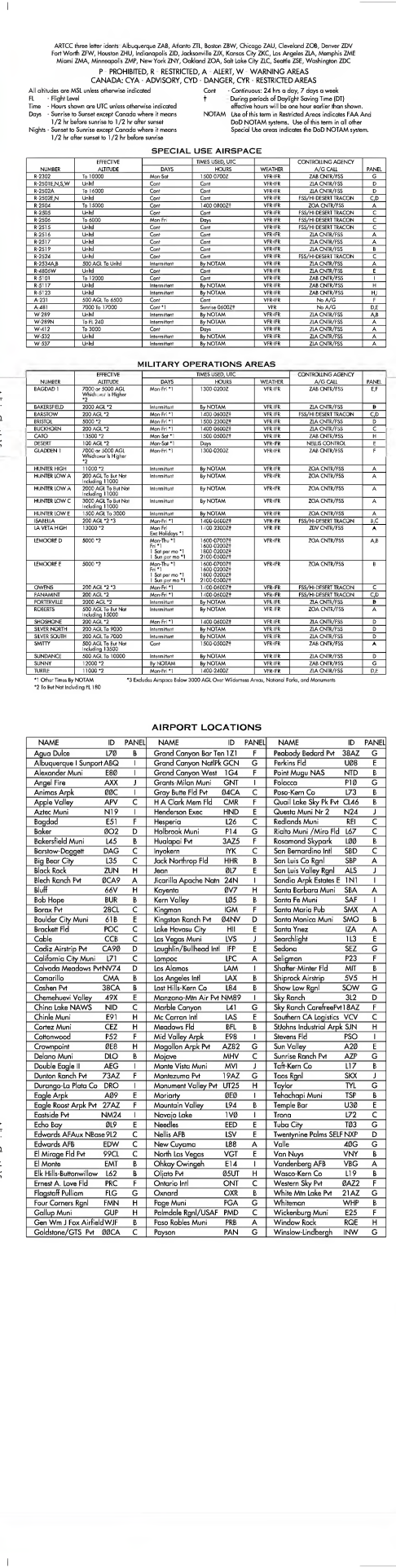
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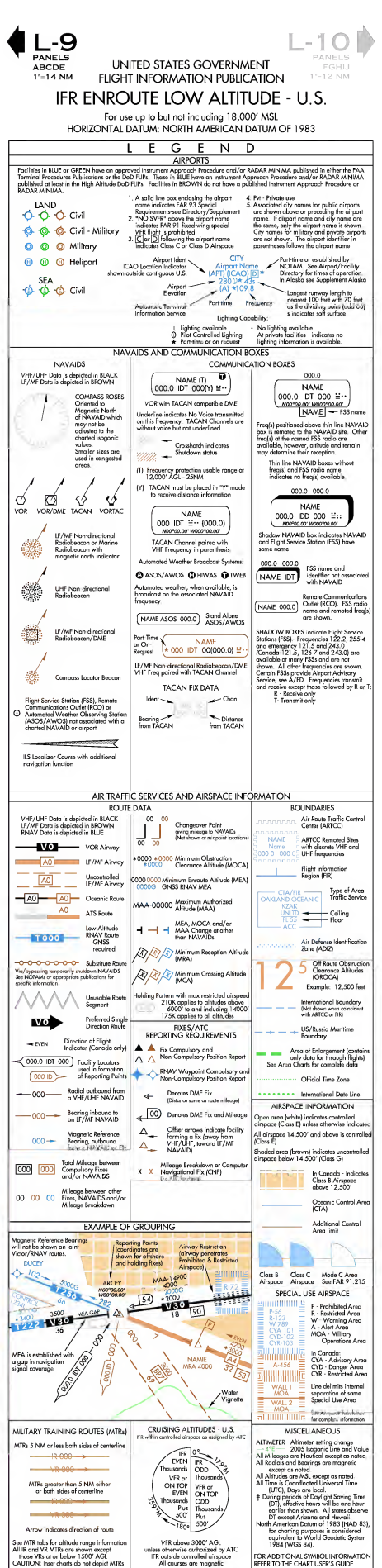
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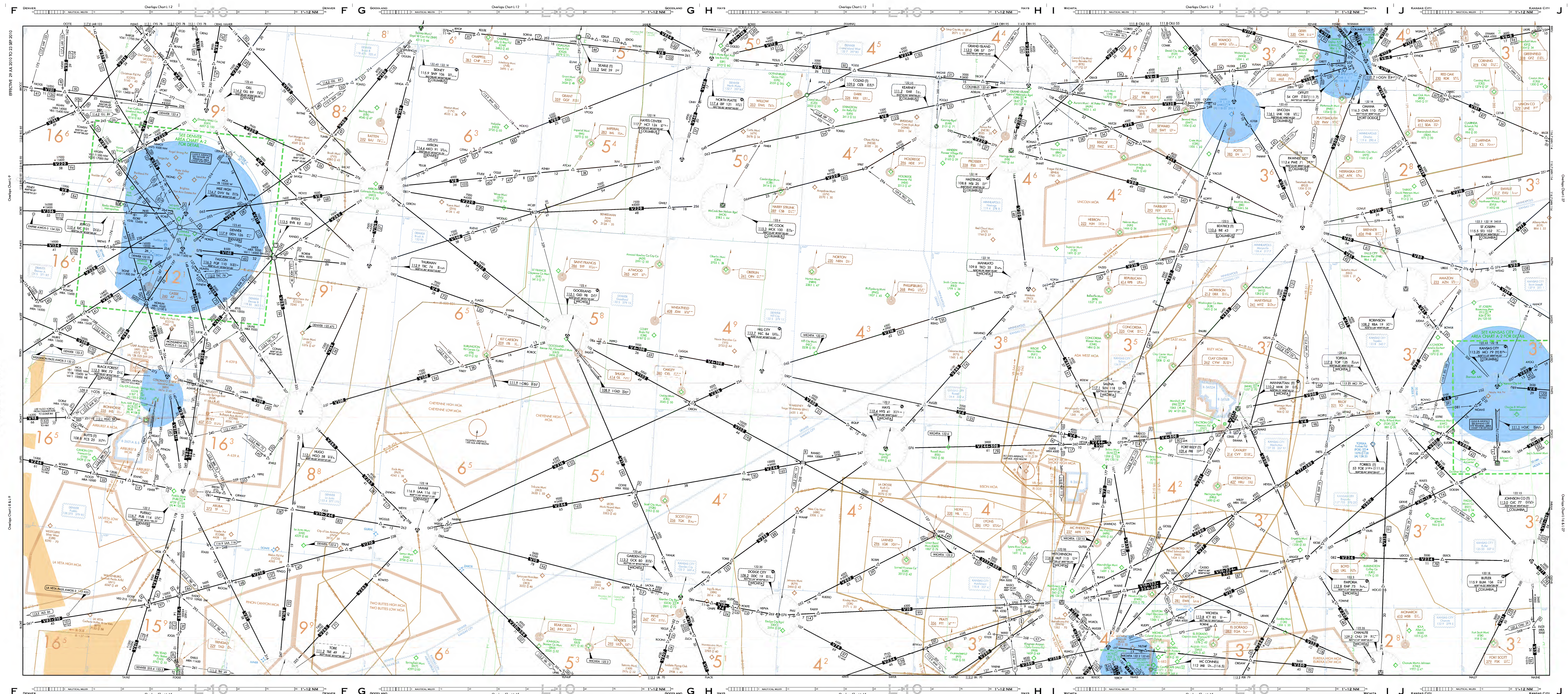




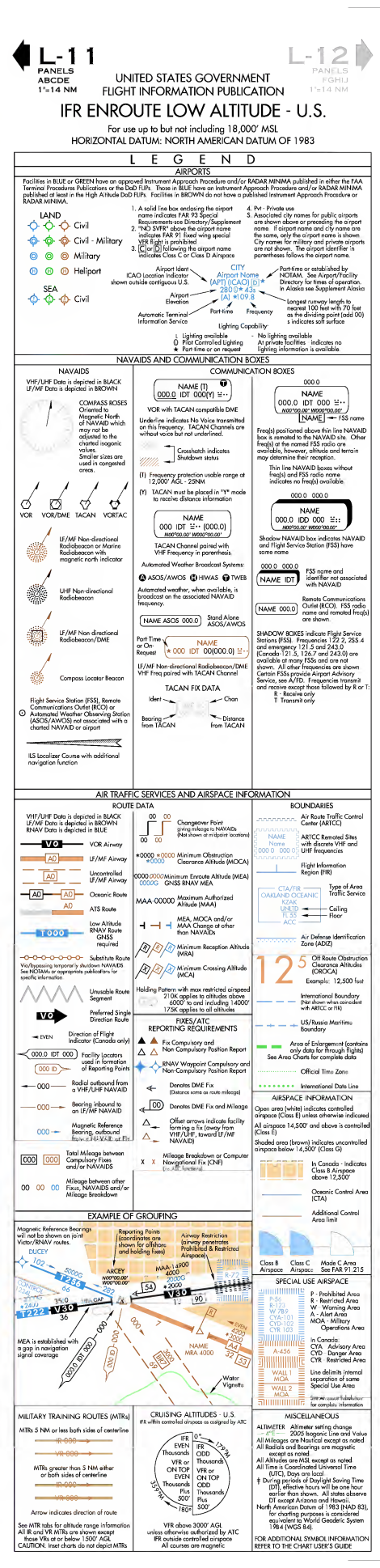
AIRPORT LOCATIONS					
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Alamo	082	B	Grand Canyon West	124	F
Alamogordo	083	B	Grand Canyon West	124	F
Alexander	080	B	Grand Canyon West	124	F
Angel	081	B	Grand Canyon West	124	F
Antares Airport	08C	B	Grand Canyon West	124	F
Apache	084	B	Grand Canyon West	124	F
Austin	085	B	Grand Canyon West	124	F
Austin	086	B	Grand Canyon West	124	F
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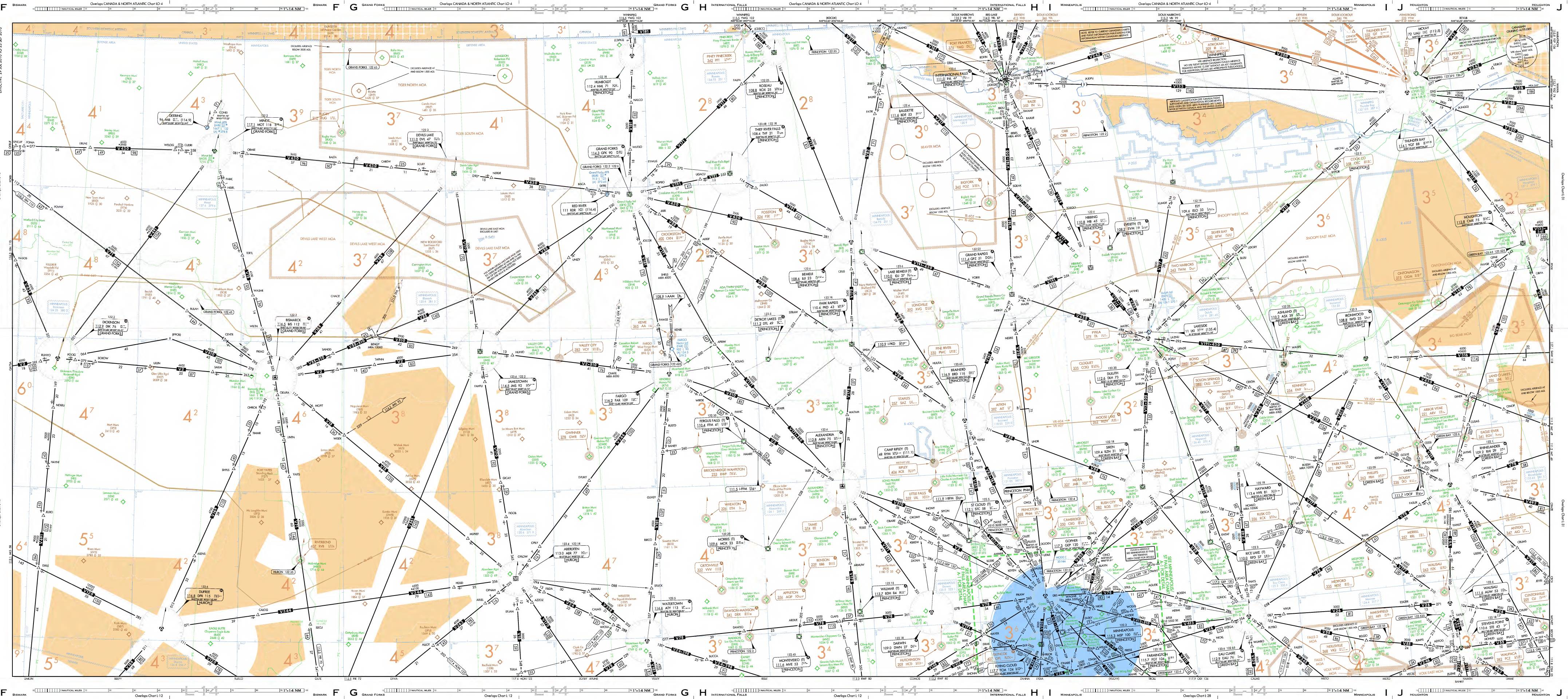
At all times on MS unless otherwise indicated	Cont	Continuous 24 hrs a day, 7 days a week	Alcohol Pub	NE38	H	Fremantle Co	VCH	New Century Ancaster	DDK
11	High level	During periods of day shift, 7 days a week (D)	Alexus Mun	K19	J	Finana Chandler Esch	FCH	Newbury City Co	EWK
12	Low unless on UTC, unless otherwise indicated	Effective hours are listed on one sheet attached below.	Michael Schroeder Field	MS	J	Frank Vossman Inc	FTS		
13	Surf to surf except Sunday between 8 months	and 12 months in Battered Areas includes FAA and DAD NODM systems. Use of this term in all other cases is prohibited.	Allen Co	K58	J	Fratt Ranges	FTG	North Fork Valley	VZF
14	12 to 16 hours surf to 172 or other surf		Alpine Co	K45	A	Furness Creek	FFB	North Platte Rgnl Apts	282 E
15	Surf to surf except Sunday between 8 months								

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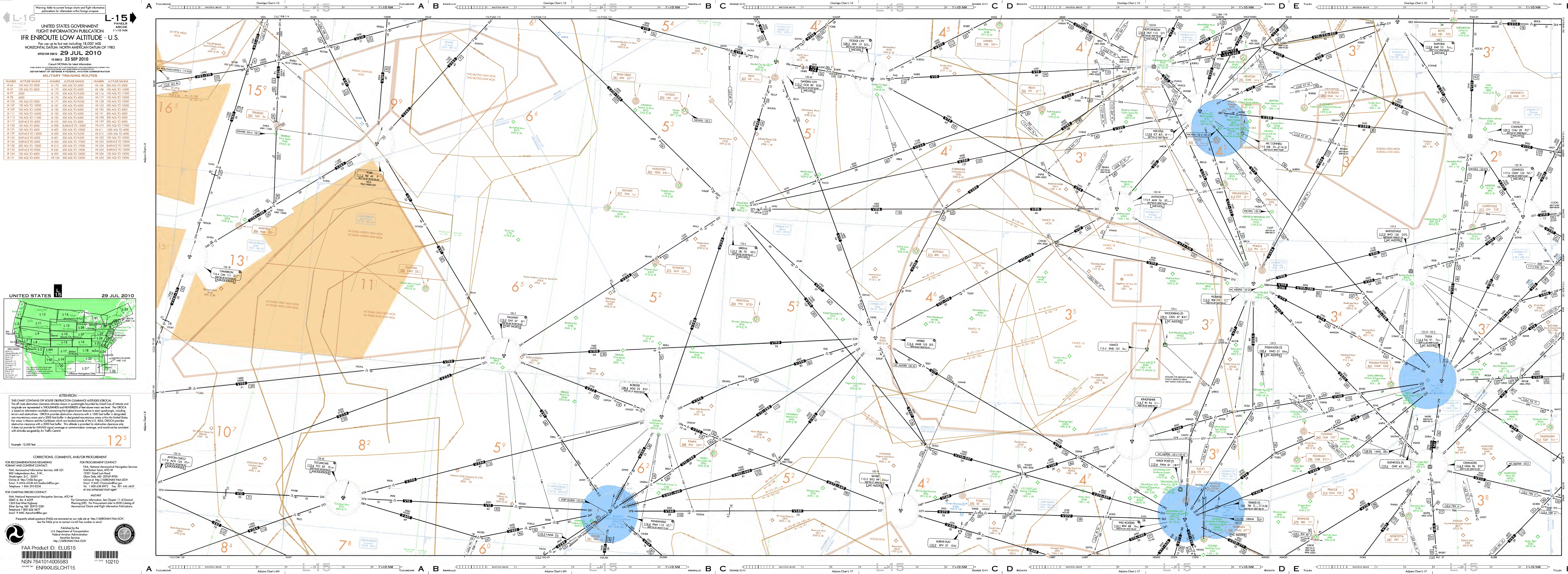
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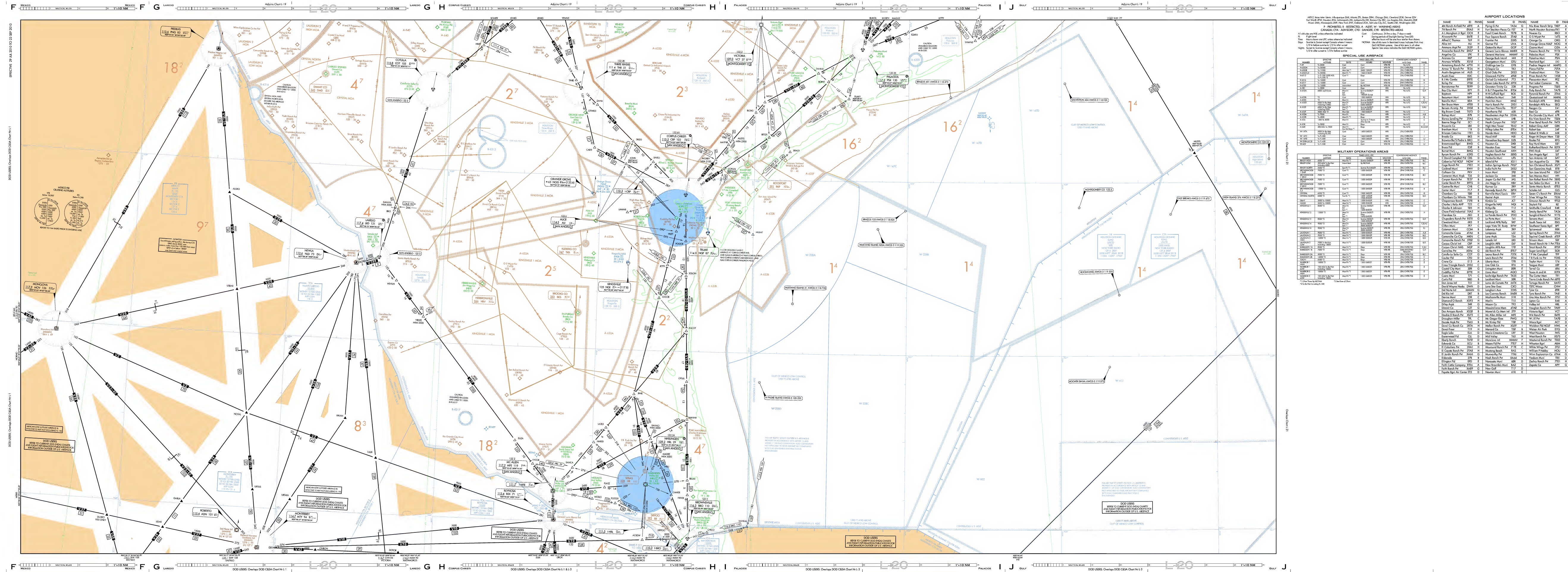
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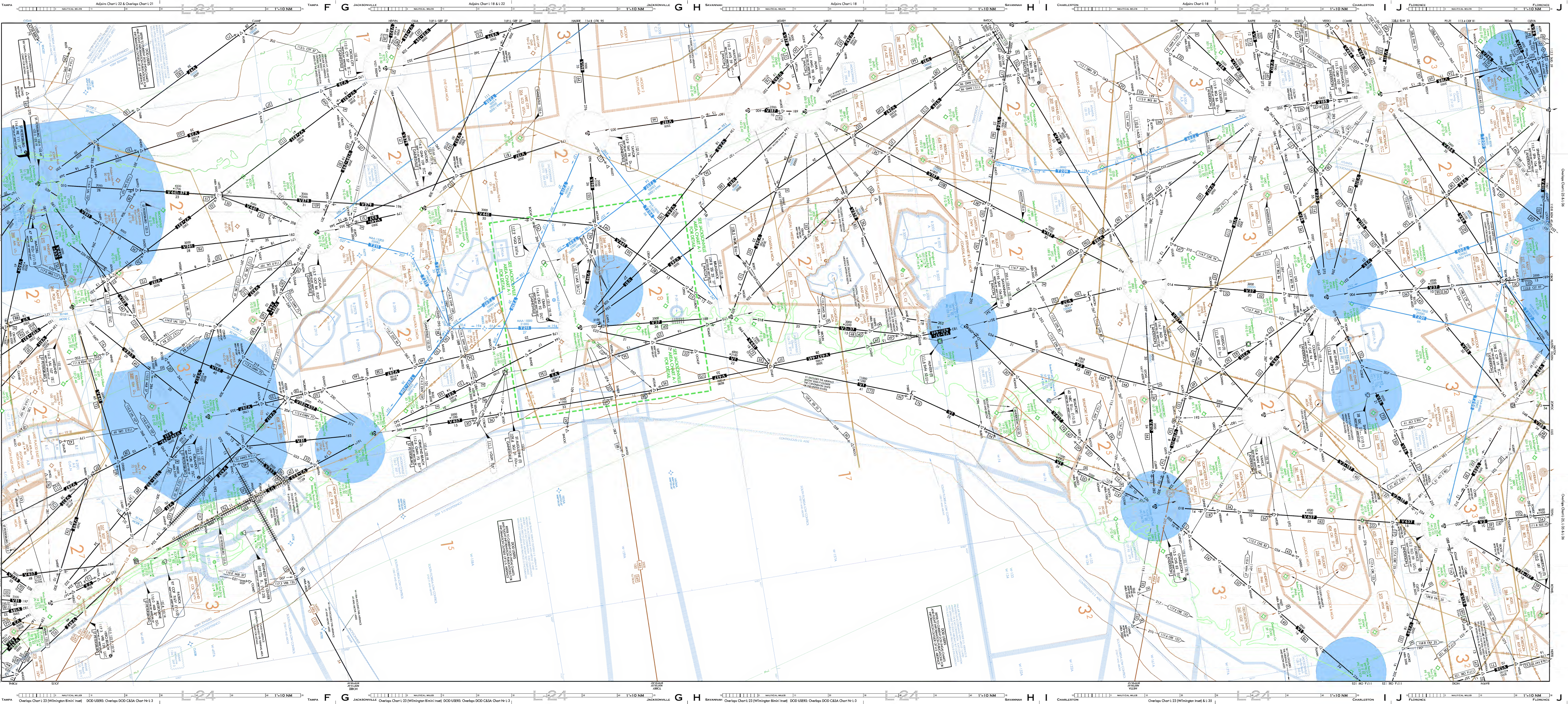
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1 Other Times by NDAM	Cordell Muni	F36	C	Malden Regt	MAW	H	Stoddard Muni	MO3	F
2 To be Not Included in R 100	Compto Fort Arpk	M88	J	Manila Muni	MOA	H	Stratford Fld	H70	B
	Cornell Pte	604	A	Manfield Muni	030	G	Stratford Fld	W4D	D
	Cornell Muni	440	H	Marines Co Bnd	FIP	G	Stewart Muni	SI 00	F

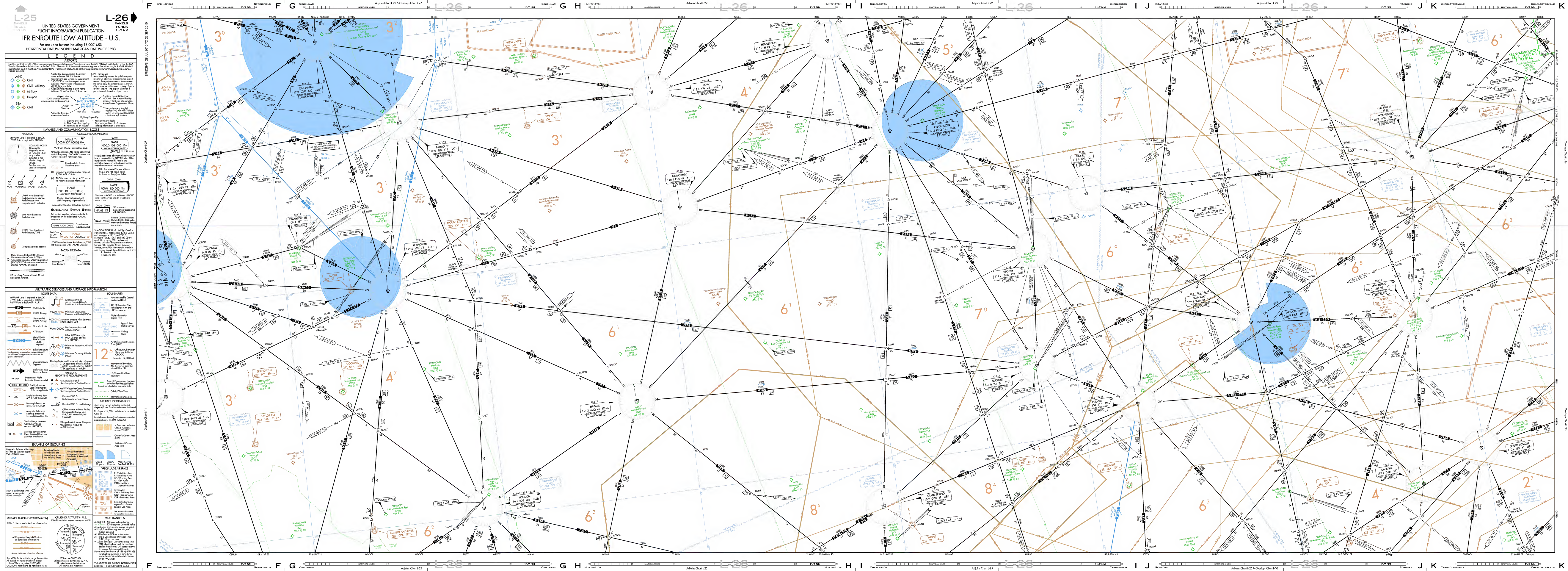




All other times are MST unless otherwise indicated		Cont. Continuous: 24 hrs a day, 7 days a week		GAWC/CO2-1		GAWC/CO2-2		GAWC/CO2-3		GAWC/CO2-4		GAWC/CO2-5		GAWC/CO2-6		GAWC/CO2-7		GAWC/CO2-8		GAWC/CO2-9		GAWC/CO2-10		GAWC/CO2-11		GAWC/CO2-12		GAWC/CO2-13		GAWC/CO2-14		GAWC/CO2-15		GAWC/CO2-16		GAWC/CO2-17		GAWC/CO2-18		GAWC/CO2-19		GAWC/CO2-20		GAWC/CO2-21		GAWC/CO2-22		GAWC/CO2-23		GAWC/CO2-24		GAWC/CO2-25		GAWC/CO2-26		GAWC/CO2-27		GAWC/CO2-28		GAWC/CO2-29		GAWC/CO2-30		GAWC/CO2-31		GAWC/CO2-32		GAWC/CO2-33		GAWC/CO2-34		GAWC/CO2-35		GAWC/CO2-36		GAWC/CO2-37		GAWC/CO2-38		GAWC/CO2-39		GAWC/CO2-40		GAWC/CO2-41		GAWC/CO2-42		GAWC/CO2-43		GAWC/CO2-44		GAWC/CO2-45		GAWC/CO2-46		GAWC/CO2-47		GAWC/CO2-48		GAWC/CO2-49		GAWC/CO2-50		GAWC/CO2-51		GAWC/CO2-52		GAWC/CO2-53		GAWC/CO2-54		GAWC/CO2-55		GAWC/CO2-56		GAWC/CO2-57		GAWC/CO2-58		GAWC/CO2-59		GAWC/CO2-60		GAWC/CO2-61		GAWC/CO2-62		GAWC/CO2-63		GAWC/CO2-64		GAWC/CO2-65		GAWC/CO2-66		GAWC/CO2-67		GAWC/CO2-68		GAWC/CO2-69		GAWC/CO2-70		GAWC/CO2-71		GAWC/CO2-72		GAWC/CO2-73		GAWC/CO2-74		GAWC/CO2-75		GAWC/CO2-76		GAWC/CO2-77		GAWC/CO2-78		GAWC/CO2-79		GAWC/CO2-80		GAWC/CO2-81		GAWC/CO2-82		GAWC/CO2-83		GAWC/CO2-84		GAWC/CO2-85		GAWC/CO2-86		GAWC/CO2-87		GAWC/CO2-88		GAWC/CO2-89		GAWC/CO2-90		GAWC/CO2-91		GAWC/CO2-92		GAWC/CO2-93		GAWC/CO2-94		GAWC/CO2-95		GAWC/CO2-96		GAWC/CO2-97		GAWC/CO2-98		GAWC/CO2-99		GAWC/CO2-100		GAWC/CO2-101		GAWC/CO2-102		GAWC/CO2-103		GAWC/CO2-104		GAWC/CO2-105		GAWC/CO2-106		GAWC/CO2-107		GAWC/CO2-108		GAWC/CO2-109		GAWC/CO2-110		GAWC/CO2-111		GAWC/CO2-112		GAWC/CO2-113		GAWC/CO2-114		GAWC/CO2-115		GAWC/CO2-116		GAWC/CO2-117		GAWC/CO2-118		GAWC/CO2-119		GAWC/CO2-120		GAWC/CO2-121		GAWC/CO2-122		GAWC/CO2-123		GAWC/CO2-124		GAWC/CO2-125		GAWC/CO2-126		GAWC/CO2-127		GAWC/CO2-128		GAWC/CO2-129		GAWC/CO2-130		GAWC/CO2-131		GAWC/CO2-132		GAWC/CO2-133		GAWC/CO2-134		GAWC/CO2-135		GAWC/CO2-136		GAWC/CO2-137		GAWC/CO2-138		GAWC/CO2-139		GAWC/CO2-140		GAWC/CO2-141		GAWC/CO2-142		GAWC/CO2-143		GAWC/CO2-144		GAWC/CO2-145		GAWC/CO2-146		GAWC/CO2-147		GAWC/CO2-148		GAWC/CO2-149		GAWC/CO2-150		GAWC/CO2-151		GAWC/CO2-152		GAWC/CO2-153		GAWC/CO2-154		GAWC/CO2-155		GAWC/CO2-156		GAWC/CO2-157		GAWC/CO2-158		GAWC/CO2-159		GAWC/CO2-160		GAWC/CO2-161		GAWC/CO2-162		GAWC/CO2-163		GAWC/CO2-164		GAWC/CO2-165		GAWC/CO2-166		GAWC/CO2-167		GAWC/CO2-168		GAWC/CO2-169		GAWC/CO2-170		GAWC/CO2-171		GAWC/CO2-172		GAWC/CO2-173		GAWC/CO2-174		GAWC/CO2-175		GAWC/CO2-176		GAWC/CO2-177		GAWC/CO2-178		GAWC/CO2-179		GAWC/CO2-180		GAWC/CO2-181		GAWC/CO2-182		GAWC/CO2-183		GAWC/CO2-184		GAWC/CO2-185		GAWC/CO2-186		GAWC/CO2-187		GAWC/CO2-188		GAWC/CO2-189		GAWC/CO2-190		GAWC/CO2-191		GAWC/CO2-192		GAWC/CO2-193		GAWC/CO2-194		GAWC/CO2-195		GAWC/CO2-196		GAWC/CO2-197		GAWC/CO2-198		GAWC/CO2-199		GAWC/CO2-200		GAWC/CO2-201		GAWC/CO2-202		GAWC/CO2-203		GAWC/CO2-204		GAWC/CO2-205		GAWC/CO2-206		GAWC/CO2-207		GAWC/CO2-208		GAWC/CO2-209		GAWC/CO2-210		GAWC/CO2-211		GAWC/CO2-212		GAWC/CO2-213		GAWC/CO2-214		GAWC/CO2-215		GAWC/CO2-216		GAWC/CO2-217		GAWC/CO2-218		GAWC	
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UNITED STATES GOVERNMENT
FLIGHT INFORMATION PUBLICATION
IFR ENROUTE LOW ALTITUDE - U.S.
For use up to but not including 18,000' MSL
HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

LEGEND

AIRPORTS

LAND

SEA

NAVAIDS

NAVIGATION

COMMUNICATIONS

AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

BOUNDARIES

REPORTING REQUIREMENTS

AIRSPACE INFORMATION

EXAMPLE OF GROUPING

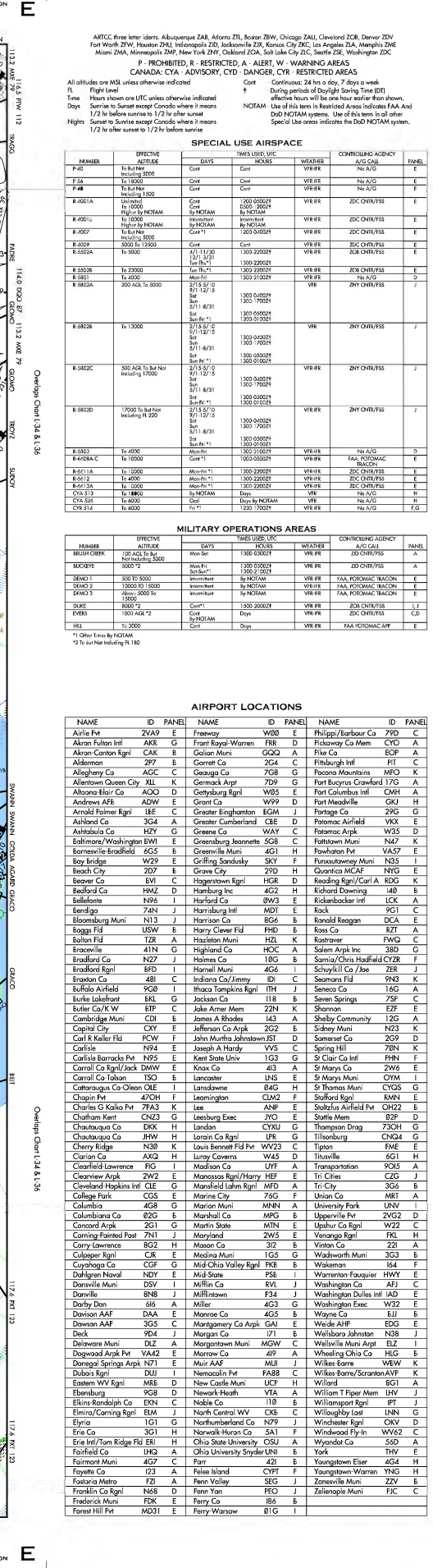
MILITARY TRAINING ROUTES (MTR)

CRASHING ALTITUDES - U.S.

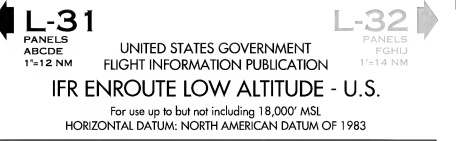
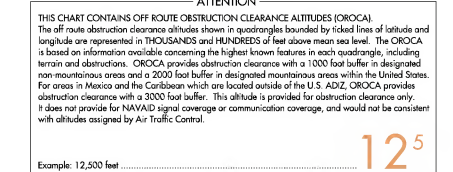
MISCELLANEOUS

SPECIAL USE AIRSPACE

FOR ADDITIONAL SYMBOLS, INFORMATION REFER TO THE CHART INDEX



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[illegible][illegible]

<p>Automated Weather Observing Station (ASOS/AWOS) not associated with a charted NAVAID or seaport</p> <p>ILS localizer Course with additional navigation function</p>		
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AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

AIR TRAFFIC SERVICES

- Mid West Data: 10,000,000
- South East Data: 10,000,000
- North West Data: 10,000,000
- South West Data: 10,000,000
- East Coast Data: 10,000,000
- West Coast Data: 10,000,000
- Central Data: 10,000,000
- Mountain Data: 10,000,000
- Great Lakes Data: 10,000,000
- Rockies Data: 10,000,000
- Sierra Data: 10,000,000
- Andes Data: 10,000,000
- Alps Data: 10,000,000
- Himalayas Data: 10,000,000
- Pyrenees Data: 10,000,000
- Carpathians Data: 10,000,000
- Apennines Data: 10,000,000
- Pyrenees Data: 10,000,000
- Carpathians Data: 10,000,000
- Apennines Data: 10,000,000

AIRSPACE INFORMATION

- Class E Airspace: 10,000,000
- Class G Airspace: 10,000,000
- Class D Airspace: 10,000,000
- Class C Airspace: 10,000,000
- Class B Airspace: 10,000,000
- Class A Airspace: 10,000,000
- Class F Airspace: 10,000,000
- Class H Airspace: 10,000,000
- Class I Airspace: 10,000,000
- Class J Airspace: 10,000,000
- Class K Airspace: 10,000,000
- Class L Airspace: 10,000,000
- Class M Airspace: 10,000,000
- Class N Airspace: 10,000,000
- Class O Airspace: 10,000,000
- Class P Airspace: 10,000,000
- Class Q Airspace: 10,000,000
- Class R Airspace: 10,000,000
- Class S Airspace: 10,000,000
- Class T Airspace: 10,000,000
- Class U Airspace: 10,000,000
- Class V Airspace: 10,000,000
- Class W Airspace: 10,000,000
- Class X Airspace: 10,000,000
- Class Y Airspace: 10,000,000
- Class Z Airspace: 10,000,000

FLIGHT DATA

Flight Number	Origin	Destination	Status
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7000	7000	7000	7000
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9000	9000	9000	9000
10000	10000	10000	10000

STATUS

Status	Count	Description
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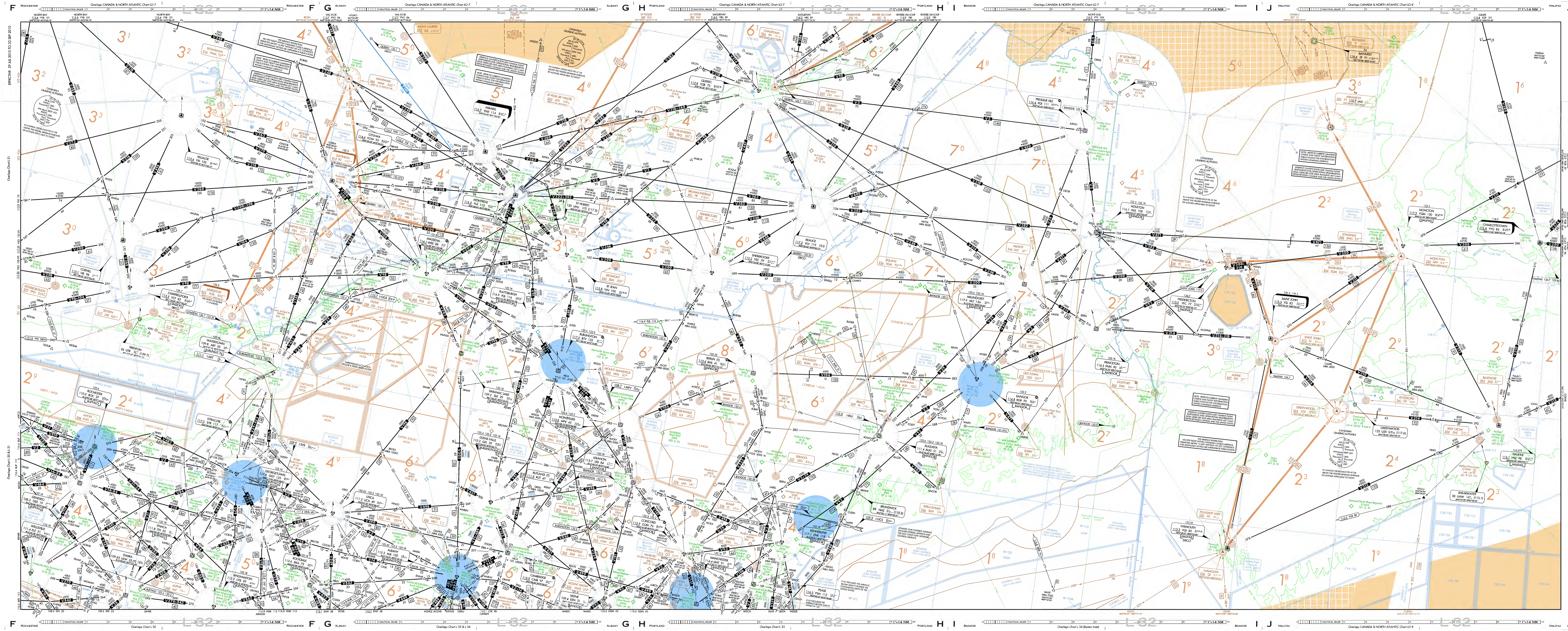
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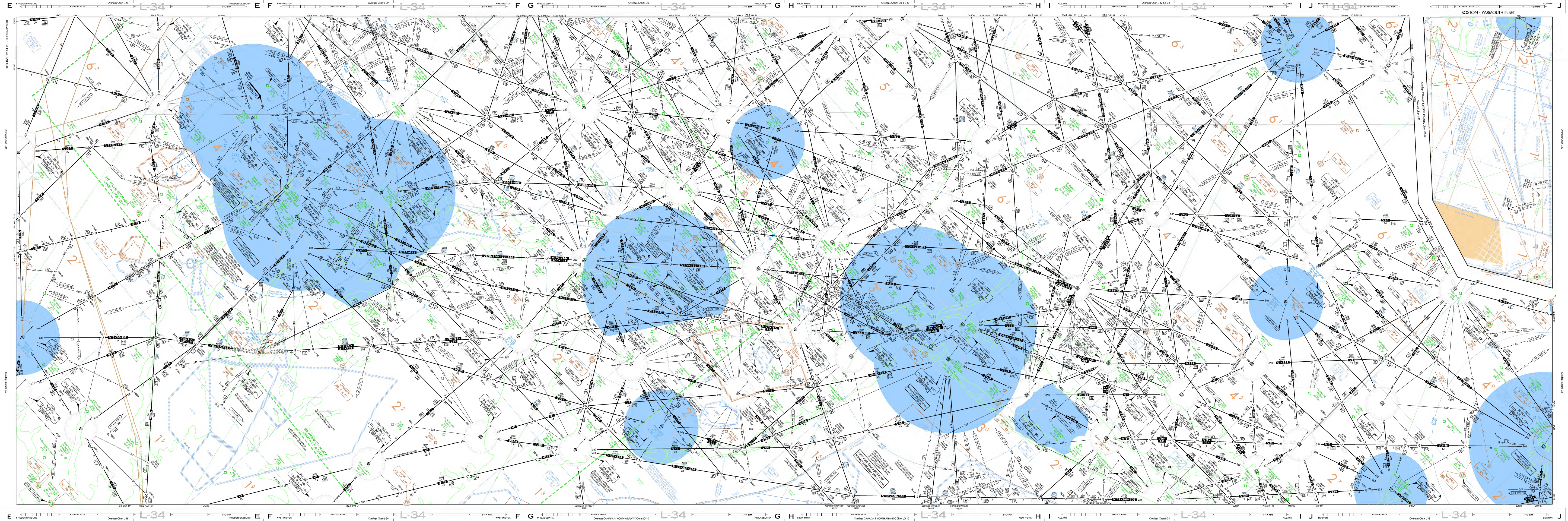
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7000	7000	7000
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9000	9000	9000
10000	10000	10000

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SPECIAL USE AIRCRAFT									
A/C	OWNER	EFFECTIVE		EXPIRATION		CONVINCING DATA		PWR.	REMARKS
		DATE	TIME	DATE	TIME	ACFT	ACFT		
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[illegible]



NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE	NUMBER	ALTITUDE RANGE
IR-344	200 AGL TO 17000	IR-922	100 AGL TO 16200	VR-937	100 AGL TO 9500
IR-368	500 AGL TO 17000	VR-938	100 AGL TO 16000	VR-938	100 AGL TO 14700
IR-848	200 AGL TO 17000	VR-939	100 AGL TO 16000	VR-938	100 AGL TO 14700
IR-899	100 AGL TO 16400	VR-952	100 AGL TO 17000	VR-940	100 AGL TO 16200
IR-911	100 AGL TO 7200	VR-953	100 AGL TO 17000	VR-941	100 AGL TO 15000
IR-917	100 AGL TO 16400	VR-931	200 AGL TO 6000	VR-954	100 AGL TO 9500
IR-918	100 AGL TO 10600	VR-931	100 AGL TO 7200	VR-955	100 AGL TO 9500
IR-919	100 AGL TO 14700	VR-932	100 AGL TO 7200		
IR-921	100 AGL TO 14700	VR-935	100 AGL TO 9500		

Implementation of Instrument Flight Rules (IFR) Areas Navigation (RNAV) Operations Using Global Positioning System (GPS) in Alaska

Under SFAR No. 97, operations using IFR certified TSO C145a and TSO C146a GPS/WAAS navigation systems will be permitted to conduct operations over selected routes in AK beyond the service volume of ground based navaids. The lowest minimum en route altitude (MEA) based only on route obstacle assessments and ATC two-way voice communication capability.

The MEAs for these routes will be depicted on the IFR Enroute Low Altitude Aeronautical chart in blue type with a "G" suffix. For instance, a GPS MEA of 2000 low MSL will be depicted as "2000G" in blue. Standard MEAs will be depicted in black type and be "stocked" above the GPS MEA.

See SFAR No. 97 for equipment, training and operational requirements.

The map illustrates the proposed division of the National Petroleum Reserve into five management areas, each designated with a letter and number:

- L-4 ANCHORAGE AREA:** Located in the north, containing the towns of Barrow, Bettendorf, and Peavine.
- L-3 FAIRBANKS AREA:** Located in the center, containing the towns of Fairbanks, Nulato, and Arlberg.
- L-2 WEST NOME AREA:** Located in the west, containing the towns of Nome, Kaktovik, and Pitmegea.
- L-2 EAST CENTRAL AREA:** Located in the center-east, containing the towns of Cold Bay, Kaktovik, and Pitmegea.
- L-1 UMANAK AREA:** Located in the south, containing the town of Umanak.

Other geographical features labeled on the map include the Arctic Ocean, Chukchi Sea, Bering Sea, and various rivers and lakes.

THIS CHART CONTAINS OFF ROUTE OBSTRUCTION CLEARANCE ALTITUDES (ORCA).
The off route obstruction clearance altitudes shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The ORCA is based on information available concerning the highest known features in each quadrangle, including terrain and obstructions. ORCA provides obstruction clearance with a 1000 foot buffer in designated non-mountainous areas and a 2000 foot buffer in designated mountainous areas within the United States. This altitude is provided for obstruction clearance only. It does not provide for NAVDOP signal coverage or communication coverage, and would not be consistent with altitudes assigned by Air Traffic Control.

Example: 12,500 feet

12⁵

<p>FOR RECOMMENDATIONS REGARDING FORMAT AND CONTENT CONTACT:</p> <p>FAA, Aeronautical Information Services, AIR-321 800 Independence Ave. S.W., Washington, D.C. 20591 Online at http://nltdc.faa.gov Email: P-9AMC-ATOR-AIS-feedback@faa.gov Telephone: 1 866 295 8236</p>	<p>FOR PROCUREMENT CONTACT:</p> <p>FAA, National Aeronautical Navigation Service Distribution Team, ATO-W 10201 Good Luck Road Glenn Dale, MD 20769 9700 Online at: http://ABONAV.FAA.GOV Email: P-9AMC-Charts@faa.gov Tel: 1 800 638 0975 Fax: 301 436 6829</p>
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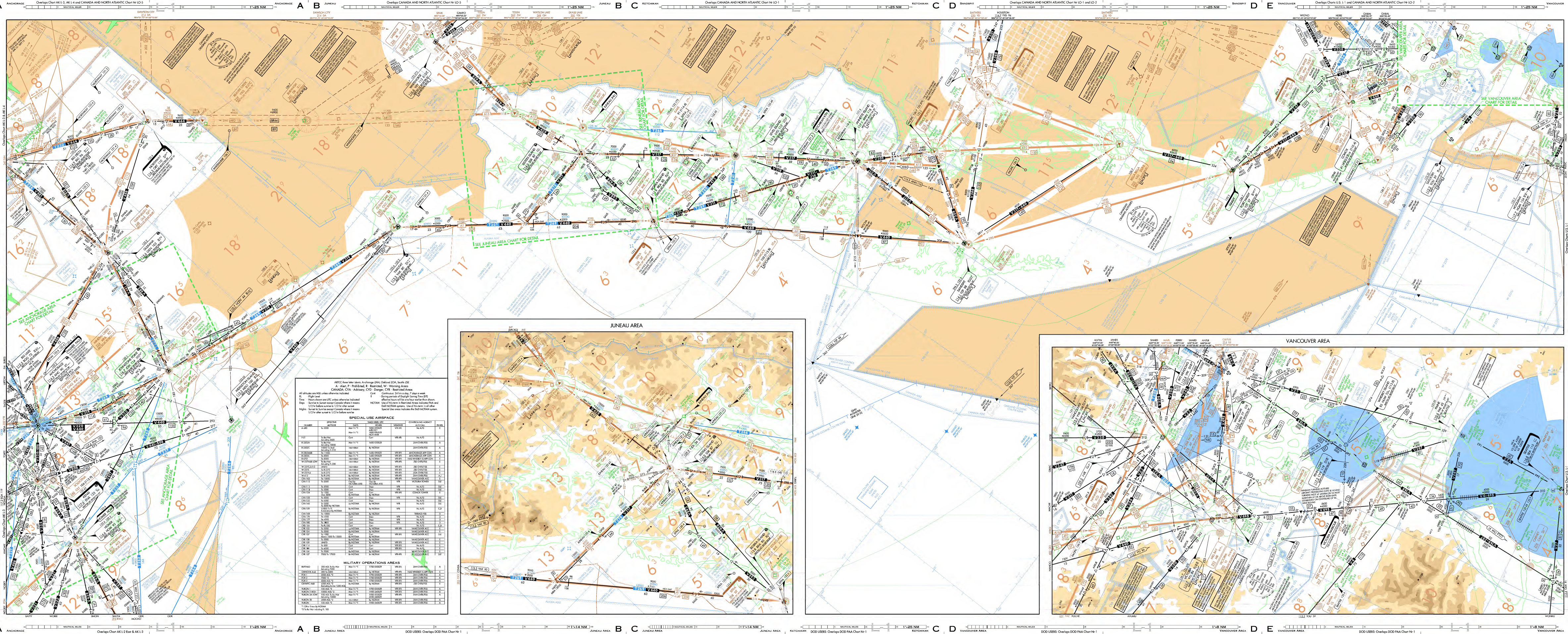
FAA, National Aeronautics Navigation Services, ATO-W
SSMC-4, Sta. #14259
1305 East-West Highway
Silver Spring, MD 20910-3281
Telephone 1-800-626-3677
Email 9-AMC-Aerochart@faa.gov

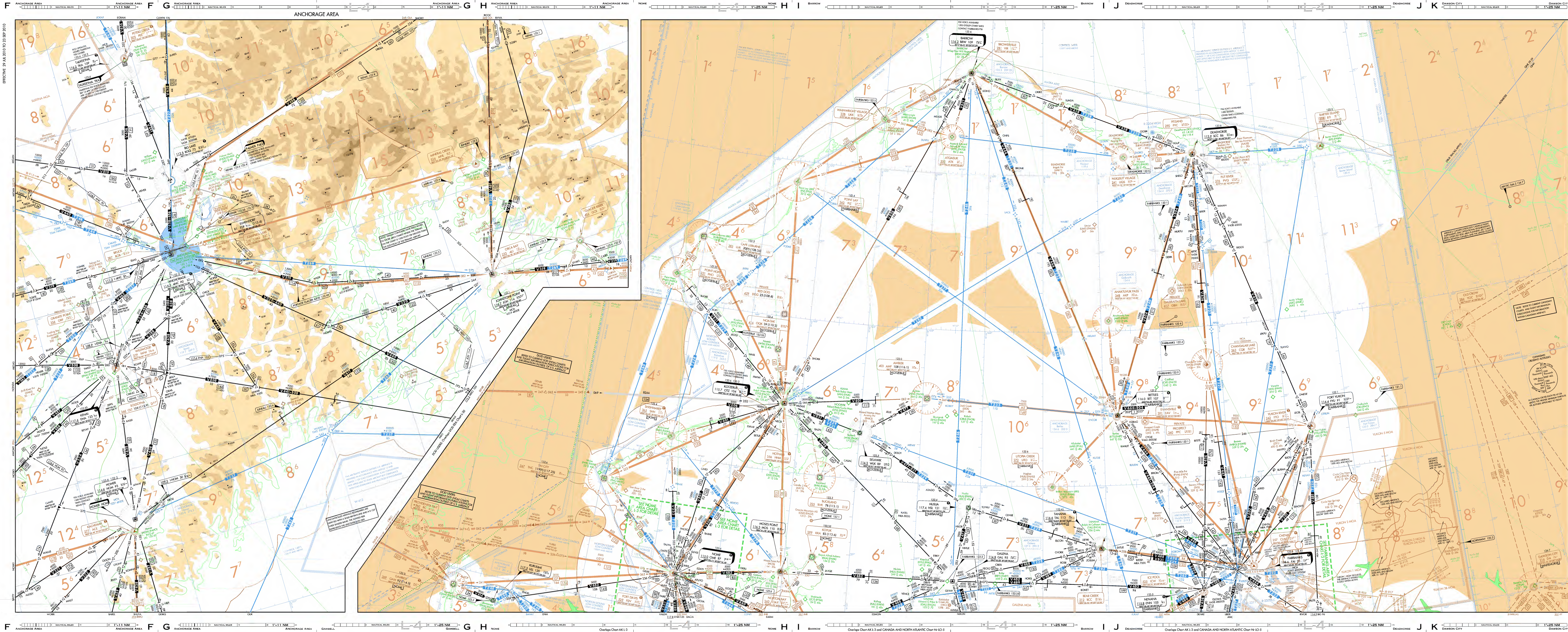
For Corrections Information, See Chapter 11 of General
Planning (GP). For Procurement refer to DOD Catalog of
Aeronautical Charts and Flight Information Publications.

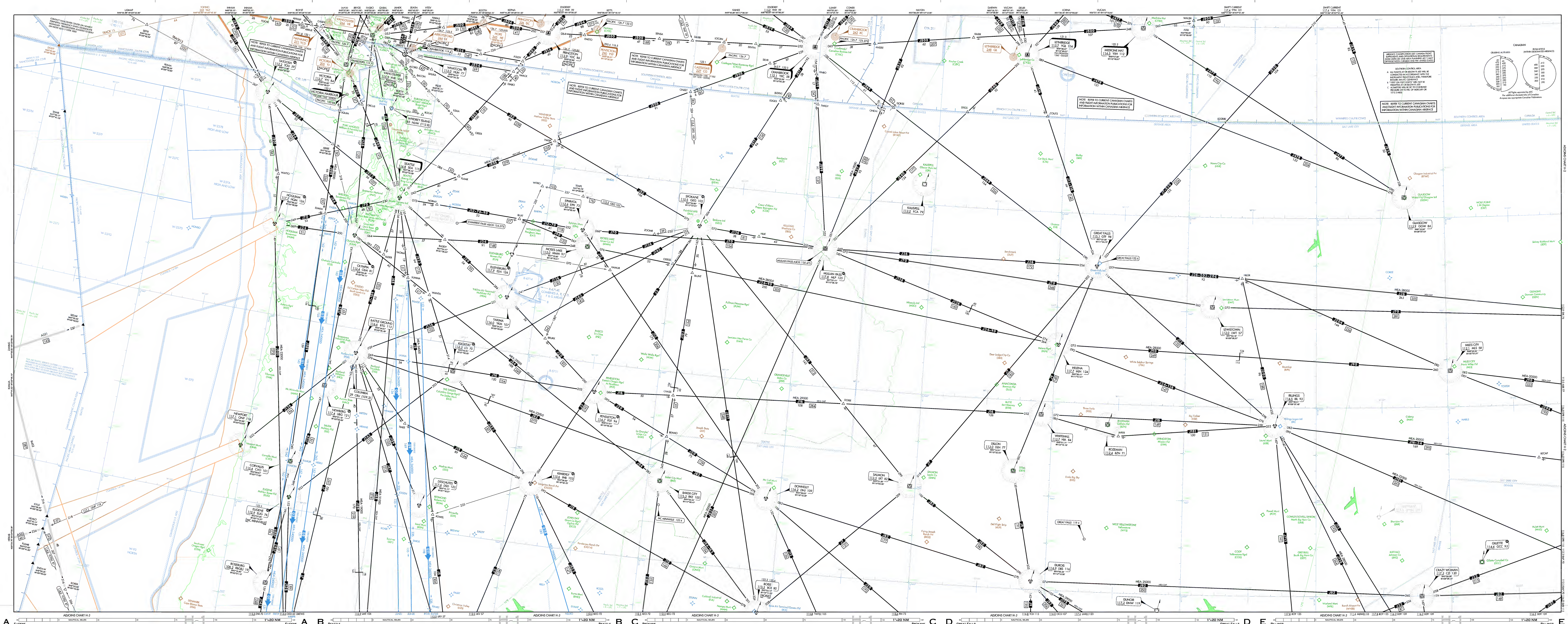
Frequently asked questions (FAQ) are answered on our web site at: <http://AFRONAV.FAA.GOV>

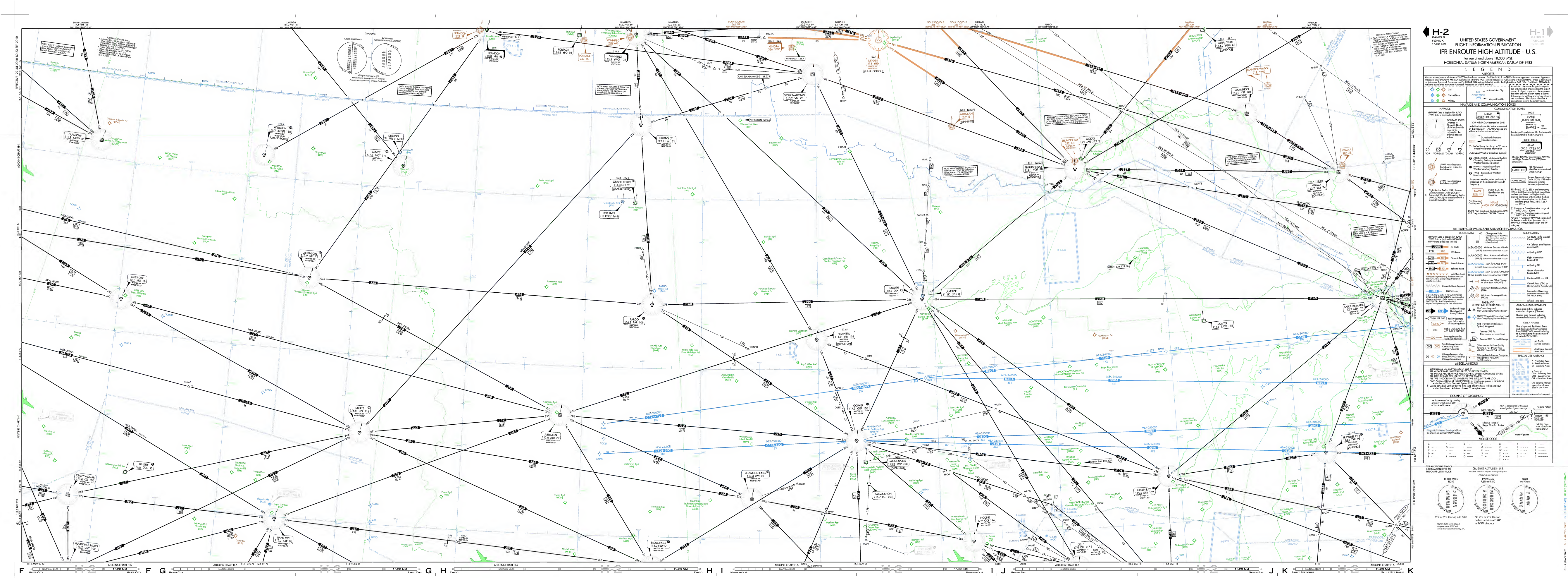
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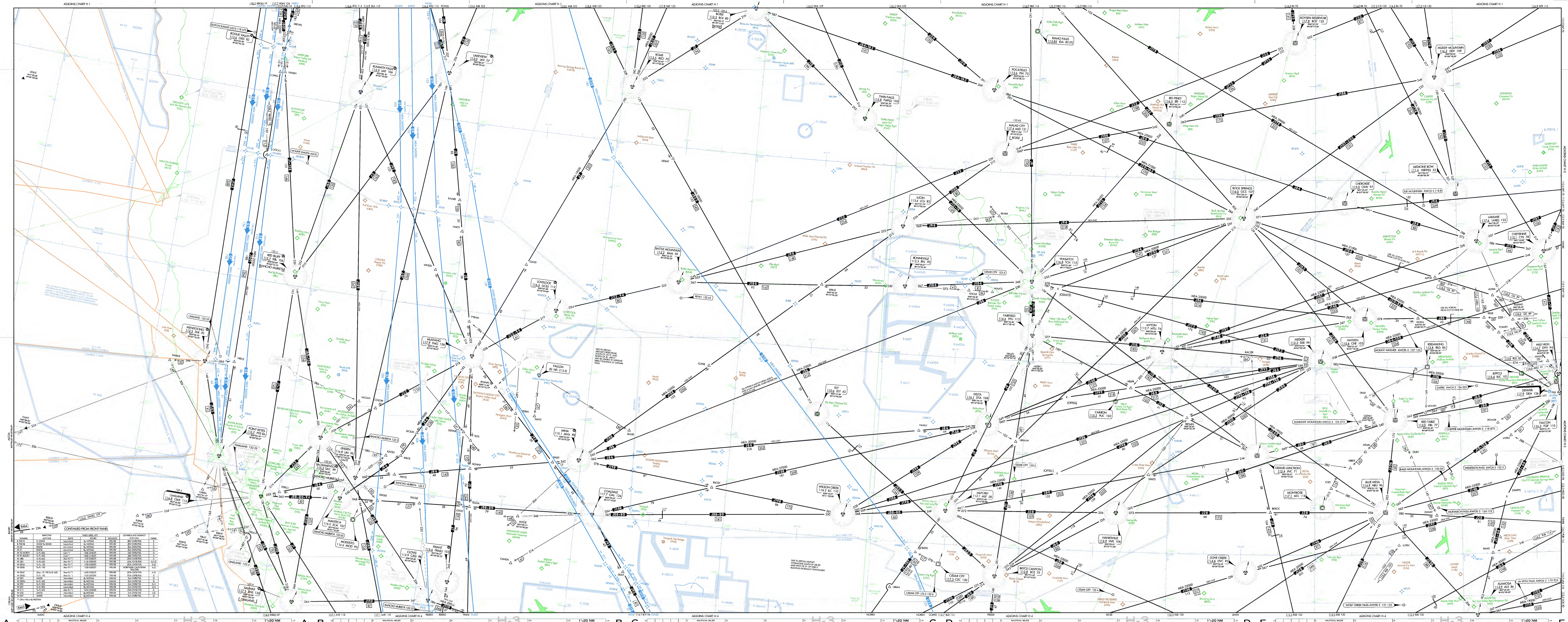
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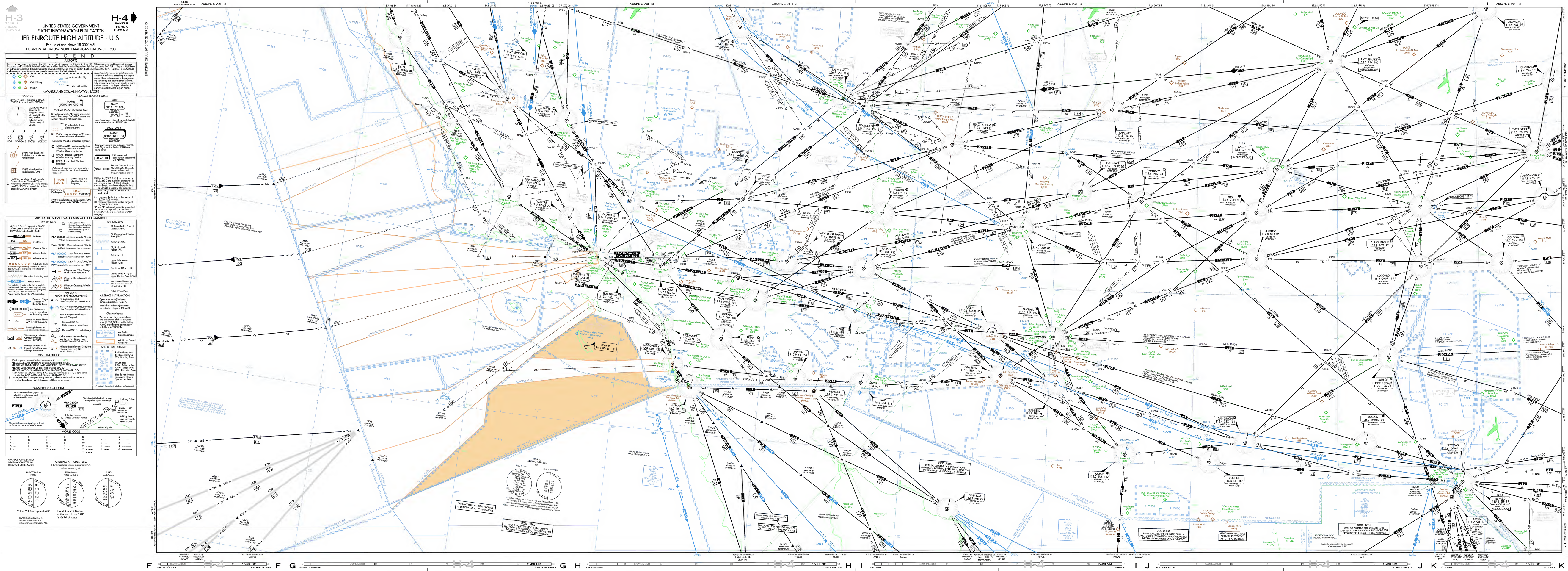


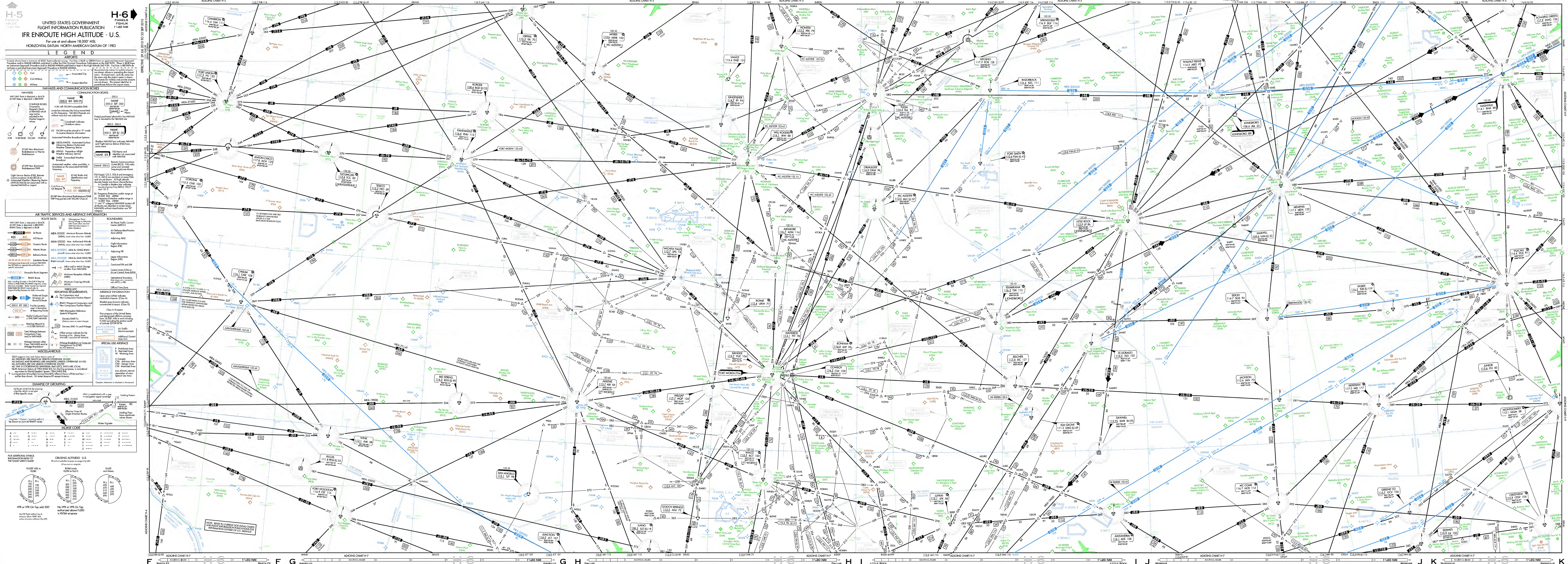
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H-6
UNITED STATES GOVERNMENT
FLIGHT INFORMATION PUBLICATION
IFR ENROUTE HIGH ALTITUDE - U.S.
For use at and above 18,000' MSL
HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983
LEGEND

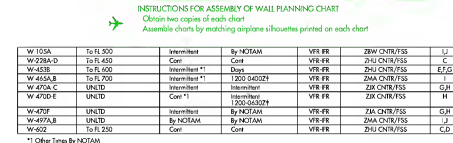
NAVIGATION
VOR, VORTAC, GPS, and other navigation aids are shown with their respective frequencies and identifiers. The chart includes a table of cruising altitudes and a table of communication frequencies.

COMMUNICATION
Communication facilities, including ATIS, Tower, Unicom, and other services, are indicated by their call signs and frequencies.

CRUISING ALTITUDES
A table providing recommended cruising altitudes for various magnetic heading ranges.

COMMUNICATION FREQUENCIES
A table listing common communication frequencies used in the enroute phase of flight.

29 JUL 2010
UNITED STATES H-7/H-8

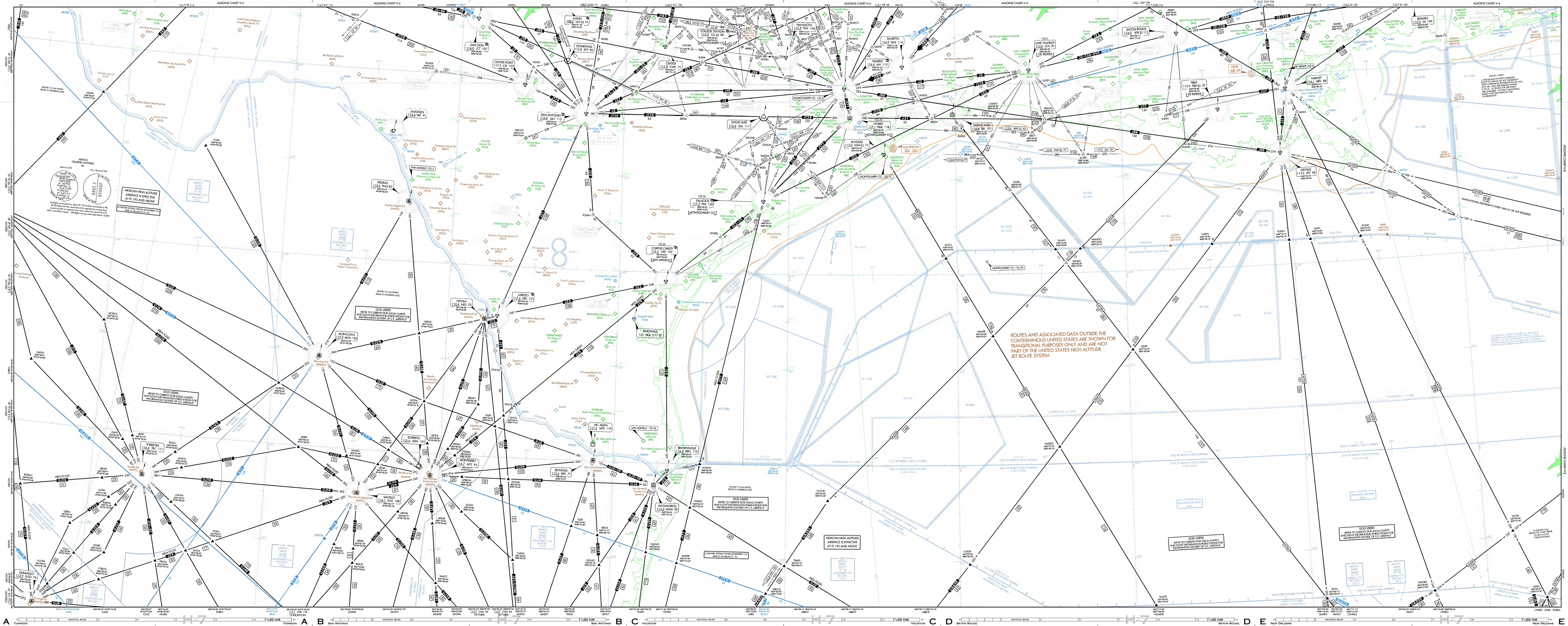


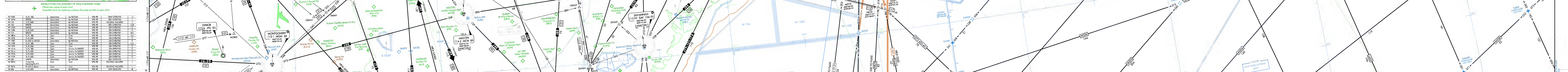
FOR CHARTING ERRORS CONTACT:

FAA, National Aeronautical Navigation Services, ATO-W SSMC-4, Ste. # 4259 1305 East-West Highway Silver Spring, MD 20910-3281 Telephone 1-800-626-3677	MILITARY For Corrections Information, See Chapter 11 of General Planning (GPI). For Procurement refer to DOD Catalog of Aeronautical Charts and Flight Information Publications.
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